

Converting Colors

XYZ(83.4215, 88.8152, 96.6041)

Have a look what the booklet for
XYZ(83.4215, 88.8152, 96.6041)
contains.

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Color

**XYZ(83.3375, 88.6891,
96.7308)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF3F2
RGB	238, 243, 242
RGB Percent	93%, 95%, 95%
CMY	0.0667, 0.0470, 0.0510
CMYK	0.02, 0.00, 0.00, 0.05
HSL	168°, 17%, 94%
HSV	168°, 2%, 95%
XYZ	83.3375, 88.6891, 96.7308
YIQ	241.3910, -2.6590, -1.3710

Conversions

Conversions Part 2

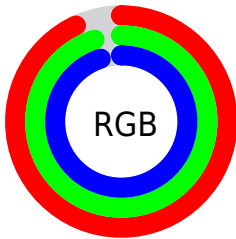
Format	Color
R _Y B	238, 241, 243
Decimal	15660018
CIE Lab	95.45, -1.83, -0.11
CIE LCh	95, 1.832, 183.391
Yxy	88.6891, 0.3101, 0.3300
Android (android.graphics.Color)	4293850098 (0xFFEEF3F2)
YUV	241.3910, 0.3002, -2.9739
Hunter-Lab	94.1749, -6.8474, 5.0233

Details

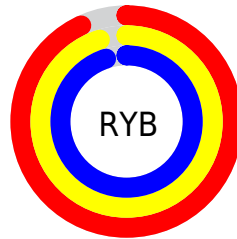
The XYZ color **83.3375, 88.6891, 96.7308** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.1199, 86.4381, 93.9690**, and the grayscale version is **83.9185, 88.2888, 96.1465**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9247, 49.0309, 53.4978** is the 20% darker color. If you saturate the color by 10%, you get **75.0013, 84.4776, 92.5707**, and if you desaturate by 10%, it is **90.0618, 92.0723, 100.9210**.

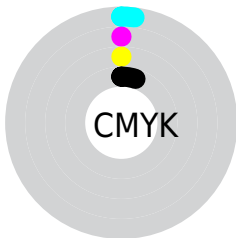
Distribution



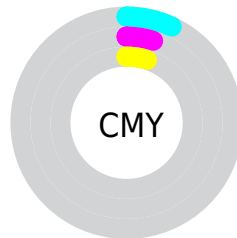
- Red (93%)
- Green (95%)
- Blue (95%)



- Red (93%)
- Yellow (95%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3375, 88.6891, 96.7308 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 83.3375, 88.6891, 96.7308 by changing the saturation by 10% instead.

83.3375, 88.6891,
96.7308

83.3375, 88.6891,
96.7308

494.6776,
523.7573, 570.8165

62.7865, 66.8939,
72.9715

136.9741,
145.5161, 158.6697

45.9265, 48.9984,
53.4610

170.7904,
181.3168, 197.6864

32.3922, 34.6182,
37.7807

209.7592,
222.5547, 242.6260

21.8182, 23.3689,
25.5120

254.2458,
269.6143, 293.9071

13.8393, 14.8662,
16.2364

304.6156,
322.8800, 351.9481

8.0899, 8.7255,
9.5355

361.2339,

4.2048, 4.5626,

382.7361, 417.1677

4.9905

424.4661,
449.5670, 489.9843

■ 1.8186, 1.9930,
2.1830

■ 0.5289, 0.6034,
0.6646

■ 83.3375, 88.6891,
96.7308

■ 83.3375, 88.6891,
96.7308

■ 75.0013, 84.4776,
92.5707

■ 90.0618, 92.0723,
100.9210

■ 67.7393, 80.8152,
88.5602

■ 90.8236, 92.3771,
104.9330

■ 61.5073, 77.6815,
84.6982

■ 91.3423, 92.5845,
107.6641

■ 56.2549, 75.0506,
80.9815

■ 51.9273, 72.8943,
77.4069

■ 48.4645, 71.1816,
73.9706

■ 45.7990, 69.8778,
70.6688

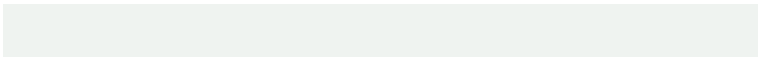
■ 43.8534, 68.9430,
67.4969

■ 42.5343, 68.3291,
64.4496

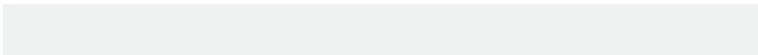
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4372, 88.6891, 95.3358



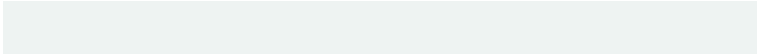
83.3375, 88.6891, 96.7308



83.4939, 88.6891, 98.0951

Triad

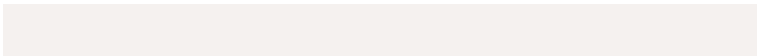
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3375, 88.6891, 96.7308



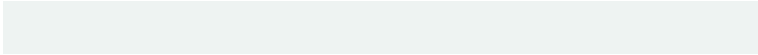
84.8281, 88.6891, 98.8913



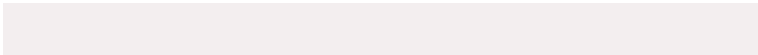
84.7289, 88.6891, 94.1195

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



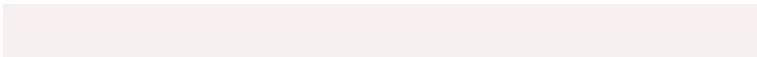
83.3375, 88.6891, 96.7308



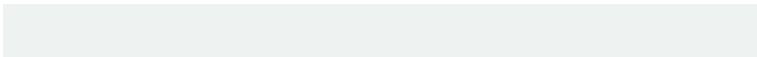
83.1199, 86.4381, 93.9690

Split Complementary

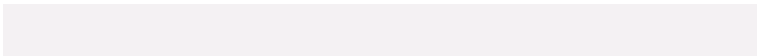
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1039, 88.6891, 95.0556



83.3375, 88.6891, 96.7308



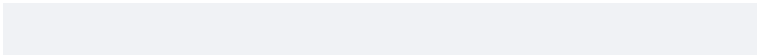
85.1613, 88.6891, 97.8094

Square

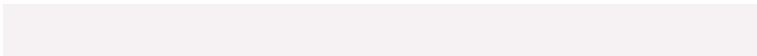
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



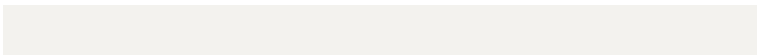
83.3375, 88.6891, 96.7308



84.3534, 88.6891, 99.3502



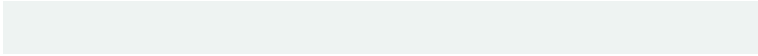
85.2625, 88.6891, 96.4041



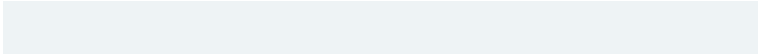
84.2393, 88.6891, 93.8370

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



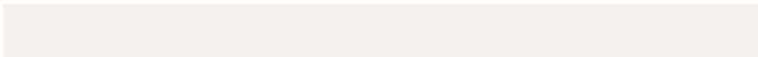
83.3375, 88.6891, 96.7308



83.7227, 88.6891, 98.8010



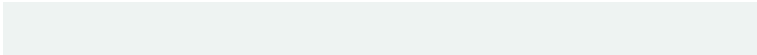
85.2625, 88.6891, 96.4041



84.8726, 88.6891, 94.3677

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.3400, 88.6929, 96.7327



94.0358, 99.4867, 108.4232



83.1107, 88.6434, 93.6197



20.1382, 21.2996, 23.2121



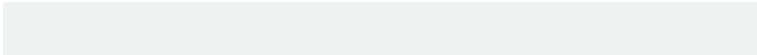
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3400, 88.6929, 96.7327



93.0342, 98.9798, 107.9481



83.0686, 87.9080, 97.3882



18.2550, 19.4100, 21.1671



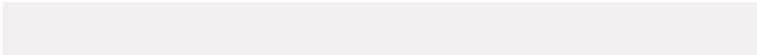
22.9998, 37.3448, 34.3485



2.0568, 3.2964, 3.2049

Inverse Universe

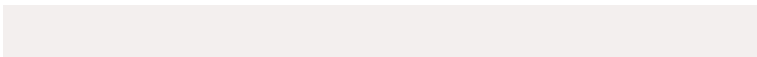
The Inverse Universe completely reimagines the original color for something new.



83.1199, 86.4381, 93.9690



92.7950, 96.5293, 104.9445



83.3864, 87.2077, 93.3281



18.2106, 18.9551, 20.6095



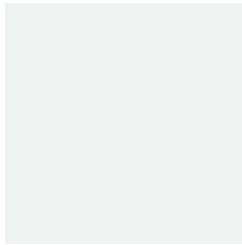
20.6255, 10.5936, 2.7364



1.8479, 0.9451, 0.4254

Previews

White Background



This preview shows how the XYZ color 83.3375, 88.6891, 96.7308 looks on a white background.

Color Contrast Check

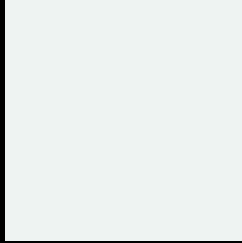
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 83.3375, 88.6891, 96.7308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

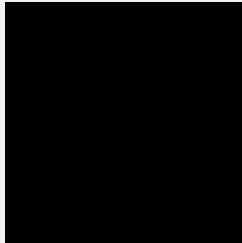
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

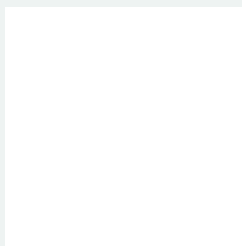
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3375, 88.6891, 96.7308

Background



This preview shows how black text looks on a background with the XYZ color 83.3375, 88.6891, 96.7308.



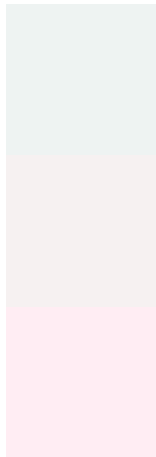
This preview shows how white text looks on a background with the XYZ color 83.3375, 88.6891,

96.7308.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.3375, 88.6891, 96.7308

Protanopia

85.3385, 88.8543, 95.8719

Deuteranopia

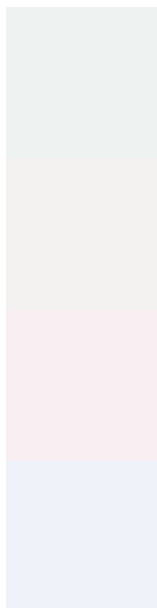
87.7018, 88.2994, 97.2151



Tritanopia

85.7809, 88.8314, 107.2328

Trichromacy



Original Color

83.3375, 88.6891, 96.7308

Protanomaly

84.5915, 88.9098, 95.9220

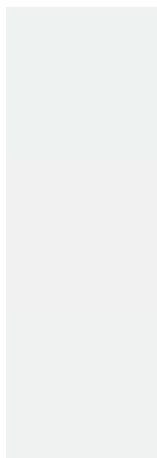
Deuteranomaly

86.1111, 88.3438, 97.3075

Tritanomaly

84.9426, 88.9317, 103.1310

Monochromacy



Original Color

83.3375, 88.6891, 96.7308

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.5645, 88.3804, 95.8739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3375, 88.6891, 96.7308 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(238, 243, 242) looks like.

```
.text, #text, p{  
    color:rgb(238, 243, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 243, 242) }
```

Border

The CSS property to change the border of an element to XYZ 83.3375, 88.6891, 96.7308 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 243, 242) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(238, 243, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(238, 243, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(238, 243,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3375, 88.6891, 96.7308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 243, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
243, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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