

Converting Colors

XYZ(83.7029, 91.0935, 92.1516)

Have a look what the booklet for
XYZ(83.7029, 91.0935, 92.1516)
contains.

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Color

**XYZ(83.9676, 91.3681,
92.5671)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF8EC
RGB	238, 248, 236
RGB Percent	93%, 97%, 93%
CMY	0.0667, 0.0274, 0.0745
CMYK	0.04, 0.00, 0.05, 0.03
HSL	110°, 46%, 95%
HSV	110°, 5%, 97%
XYZ	83.9676, 91.3681, 92.5671
YIQ	243.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

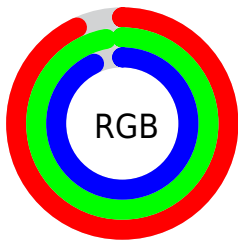
Format	Color
R _Y B	236, 248, 246
Decimal	15661292
CIE Lab	96.56, -5.41, 4.61
CIE LCh	97, 7.109, 139.609
Yxy	91.3681, 0.3134, 0.3410
Android (android.graphics.Color)	4293851372 (0xFFEEF8EC)
YUV	243.6420, -3.7675, -4.9480
Hunter-Lab	95.5867, -10.4743, 9.4936

Details

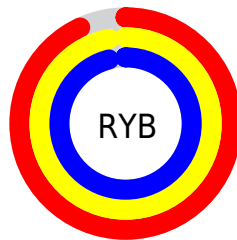
The XYZ color **83.9676, 91.3681, 92.5671** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9484, 86.3636, 101.0043**, and the grayscale version is **85.7356, 90.2005, 98.2283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3793, 50.9396, 50.5679** is the 20% darker color. If you saturate the color by 10%, you get **74.0664, 86.6543, 74.5826**, and if you desaturate by 10%, it is **92.8592, 95.6184, 108.1697**.

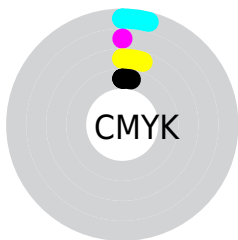
Distribution



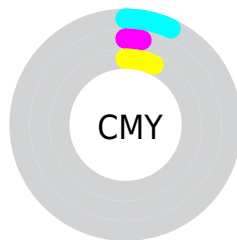
- Red (93%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (97%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9676, 91.3681, 92.5671 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 83.9676, 91.3681, 92.5671 by changing the saturation by 10% instead.

 83.9676, 91.3681,
92.5671

 83.9676, 91.3681,
92.5671

496.7409,
532.4712, 557.1308

 63.3083, 69.1159,
69.5261

137.8513,
149.2373, 152.8656

 46.3503, 50.8061,
50.6659


171.8065,
185.6231, 190.9603

 32.7281, 36.0543,
35.5679


210.9243,
227.4888, 234.9098

 22.0765, 24.4762,
23.8136

255.5702,
275.2190, 285.1329

 14.0300, 15.6872,
14.9845

306.1094,
329.1979, 342.0479

 8.2234, 9.3031,
8.6620

362.9074,

 4.2912, 4.9394,

389.8100, 406.0736

4.4276

426.3294,
457.4396, 477.6283

■ 1.8682, 2.2117,
1.8627

■ 0.5582, 0.7264,
0.4689

■ 83.9676, 91.3681,
92.5671

■ 83.9676, 91.3681,
92.5671

■ 74.0664, 86.6543,
74.5826

■ 92.8592, 95.6184,
108.1697

■ 65.4125, 82.5255,
59.1594

■ 57.9583, 78.9622,
46.1828

■ 51.6500, 75.9395,
35.5271

■ 46.4300, 73.4305,
27.0553

■ 42.2352, 71.4062,
20.6161

■ 38.9959, 69.8343,
16.0389

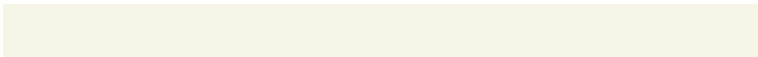
■ 36.6336, 68.6785,
13.1253

■ 35.0556, 67.8964,
11.6316

Harmonies

Analogous

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



85.5678, 91.3681, 89.5374



83.9676, 91.3681, 92.5671



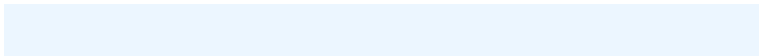
83.1419, 91.3681, 97.5256

Triad

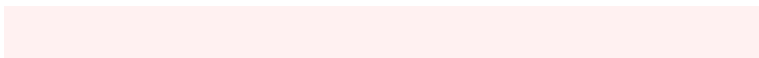
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9676, 91.3681, 92.5671



86.1560, 91.3681, 110.6294



90.4883, 91.3681, 95.8603

Complementary

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



83.9676, 91.3681, 92.5671



84.9484, 86.3636, 101.0043

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.



90.6516, 91.3681, 101.4691



83.9676, 91.3681, 92.5671



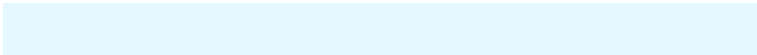
88.1300, 91.3681, 110.1420

Square

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



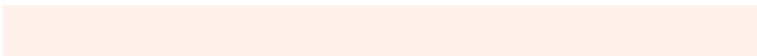
83.9676, 91.3681, 92.5671



84.3925, 91.3681, 108.0453



89.7826, 91.3681, 106.7378



89.3397, 91.3681, 91.3880

Rectangle

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



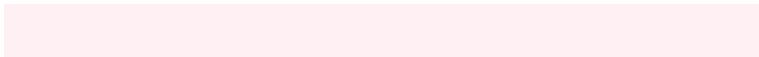
83.9676, 91.3681, 92.5671



83.1331, 91.3681, 101.3204



89.7826, 91.3681, 106.7378



90.6609, 91.3681, 97.6706

Sweetspot

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



83.9701, 91.3720, 92.5691



93.8645, 99.4360, 106.7157



86.8114, 91.9284, 92.5267



20.1034, 21.2893, 22.8646



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.



83.9701, 91.3720, 92.5691



88.1470, 96.7147, 96.2266



83.8905, 91.2630, 95.6345



17.9167, 19.7481, 19.4526



18.7113, 36.5643, 6.0714



1.8071, 3.4247, 0.5658

Inverse Universe

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



84.9484, 86.3636, 101.0043



89.4304, 90.1435, 107.2937



85.0393, 86.4814, 97.8021



18.2064, 18.2645, 21.9511



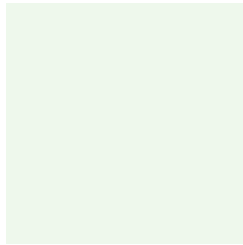
23.1094, 10.8560, 48.8510



2.2132, 1.0430, 4.5279

Previews

White Background



This preview shows how the XYZ color 83.9676, 91.3681, 92.5671 looks on a white background.

Color Contrast Check

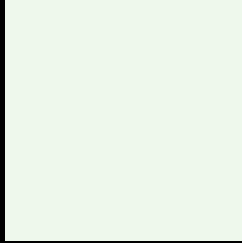
Large Text (above 18pt) WCAG AA × Fail

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 83.9676, 91.3681, 92.5671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

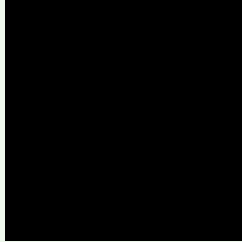
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

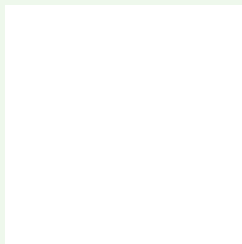
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9676, 91.3681, 92.5671

Background



This preview shows how black text looks on a background with the XYZ color 83.9676, 91.3681, 92.5671.



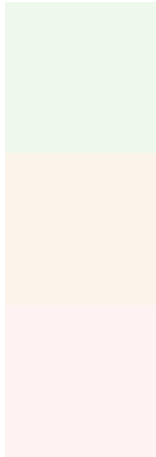
This preview shows how white text looks on a background with the XYZ color 83.9676, 91.3681, 92.5671.

92.5671.

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

83.9676, 91.3681, 92.5671

Protanopia

87.3469, 91.3373, 90.8681

Deuteranopia

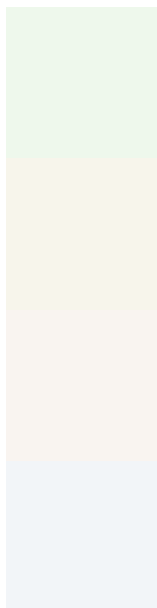
89.1698, 91.2353, 97.7044



Tritanopia

87.7089, 91.1545, 107.5796

Trichromacy



Original Color

83.9676, 91.3681, 92.5671

Protanomaly

86.0056, 91.0771, 91.6439

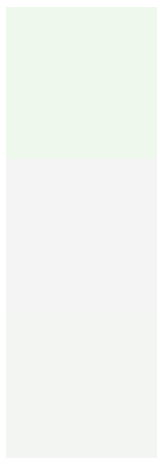
Deuteranomaly

87.1458, 91.1324, 95.4353

Tritanomaly

86.2136, 90.9594, 101.8199

Monochromacy



Original Color

83.9676, 91.3681, 92.5671

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.1475, 90.5329, 96.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9676, 91.3681, 92.5671 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, 248, 236) looks like.

```
.text, #text, p{  
    color:rgb(238, 248, 236)  
}
```

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, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 248, 236) }
```

Border

The CSS property to change the border of an element to XYZ 83.9676, 91.3681, 92.5671 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, 248, 236) }
```


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

```
.border{ border-color:rgb(238, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 248, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 248, 236); box-shadow:4px 4px 4px 4px rgb(238, 248, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9676, 91.3681, 92.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 248, 236) }
```

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

```
.background{ background-color: rgb(238,  
248, 236) }
```

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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