

Converting Colors

XYZ(89.1017, 100.0000,
100.6474)

Have a look what the booklet for
XYZ(89.1017, 100.0000, 100.6474)
contains.

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Color

**XYZ(87.1665, 96.1171,
100.3445)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFF5
RGB	237, 255, 245
RGB Percent	93%, 100%, 96%
CMY	0.0706, 0.0000, 0.0392
CMYK	0.07, 0.00, 0.04, 0.00
HSL	147°, 100%, 96%
HSV	147°, 7%, 100%
XYZ	87.1665, 96.1171, 100.3445
YIQ	248.4780, -7.5180, -6.9260

Conversions

Conversions Part 2

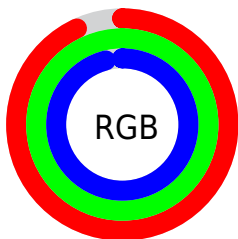
Format	Color
R_{YB}	237, 249, 255
Decimal	15597557
CIE _{Lab}	98.48, -7.66, 2.75
CIE _{LCh}	98, 8.140, 160.269
Yxy	96.1171, 0.3073, 0.3389
Android (android.graphics.Color)	4293787637 (0xFFEDFFF5)
YUV	248.4780, -1.7147, -10.0662
Hunter-Lab	98.0393, -12.8650, 7.9435

Details

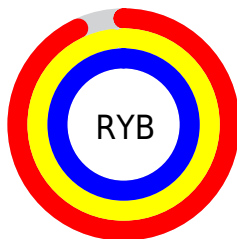
The XYZ color **87.1665, 96.1171, 100.3445** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3132, 88.5448, 100.4319**, and the grayscale version is **89.6318, 94.2997, 102.6924**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4354, 53.8860, 55.9923** is the 20% darker color. If you saturate the color by 10%, you get **77.1687, 91.2034, 89.0170**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

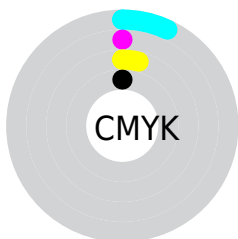
Distribution



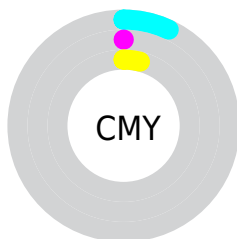
- Red (93%)
- Green (100%)
- Blue (96%)



- Red (93%)
- Yellow (98%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1665, 96.1171, 100.3445 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 87.1665, 96.1171, 100.3445 by changing the saturation by 10% instead.

 87.1665, 96.1171,
100.3445

 87.1665, 96.1171,
100.3445


507.1462,
547.7351, 582.5527

 65.9615, 73.0651,
75.9698


142.2947,
155.8070, 163.6865

 48.5087, 54.0292,
55.9012


176.9485,
193.2137, 203.4909

 34.4429, 38.6250,
39.7203


216.8161,
236.1741, 249.2756

 23.3985, 26.4681,
27.0084


262.2626,
285.0726, 301.4592

 15.0104, 17.1742,
17.3470

313.6536,
340.2935, 360.4601

 8.9130, 10.3588,
10.3177

371.3542,

 4.7411, 5.6375,

402.2213, 426.6970

5.5017

435.7300,
471.2404, 500.5884

■ 2.1294, 2.6259,
2.4807

■ 0.7051, 0.9397,
0.8299

■ 87.1665, 96.1171,
100.3445

■ 87.1665, 96.1171,
100.3445

■ 77.1687, 91.2034,
89.0170

95.0500, 100.0000,
108.9000

■ 68.4917, 86.9520,
78.5949

■ 61.0784, 83.3337,
69.0572

■ 54.8658, 80.3166,
60.3802

■ 49.7856, 77.8659,
52.5393

■ 45.7623, 75.9433,
45.5084

■ 42.7104, 74.5051,
39.2602

■ 40.5301, 73.5005,
33.7653

■ 39.0950, 72.8649,
28.9919

Harmonies

Analogous

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



88.4651, 96.1171, 95.0832



87.1665, 96.1171, 100.3445



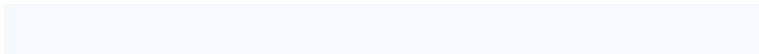
86.9796, 96.1171, 106.9805

Triad

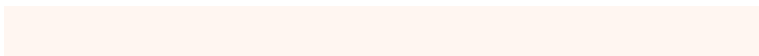
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1665, 96.1171, 100.3445



92.1648, 96.1171, 117.9198



94.8497, 96.1171, 96.5069

Complementary

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



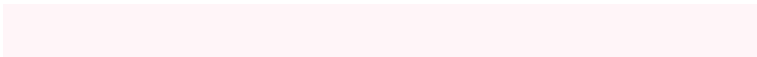
87.1665, 96.1171, 100.3445



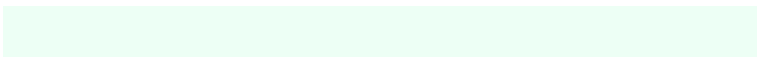
88.3132, 88.5448, 100.4319

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.



95.8777, 96.1171, 102.3638



87.1665, 96.1171, 100.3445



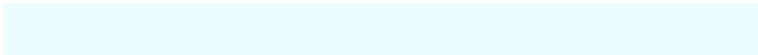
94.3100, 96.1171, 114.8489

Square

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



87.1665, 96.1171, 100.3445



89.8386, 96.1171, 117.3223



95.6785, 96.1171, 109.0876



92.8913, 96.1171, 92.9343

Rectangle

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



87.1665, 96.1171, 100.3445



87.5071, 96.1171, 111.3185



95.6785, 96.1171, 109.0876



95.3170, 96.1171, 98.2632

Sweetspot

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



87.1674, 96.1175, 100.3460



92.7457, 98.8644, 106.4287



89.4749, 97.4452, 94.2151



19.8755, 21.1729, 22.8061



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.



87.1674, 96.1175, 100.3460



86.1677, 95.6256, 99.2397



88.5430, 96.6678, 107.5902



18.1071, 20.3024, 20.8668



20.3254, 38.0268, 14.8648



2.0330, 3.7241, 1.7315

Inverse Universe

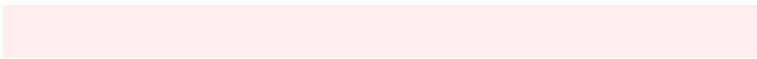
The Inverse Universe completely reimagines the original color for something new.



88.3132, 88.5448, 100.4319



87.4581, 87.0975, 99.3363



86.9870, 88.0143, 93.4481



18.4318, 18.1560, 20.8911



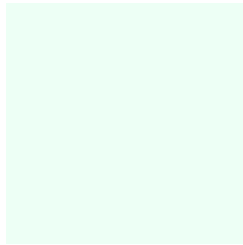
24.1629, 12.1544, 14.7740



2.4077, 1.2054, 1.7283

Previews

White Background



This preview shows how the XYZ color 87.1665, 96.1171, 100.3445 looks on a white background.

Color Contrast Check

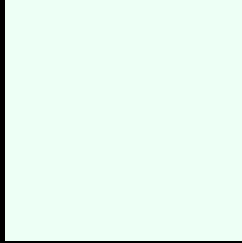
Large Text (above 18pt) WCAG AA × Fail

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 87.1665, 96.1171, 100.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

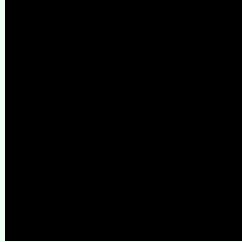
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

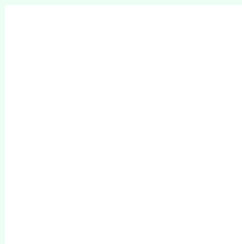
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.1665, 96.1171, 100.3445

Background



This preview shows how black text looks on a background with the XYZ color 87.1665, 96.1171, 100.3445.



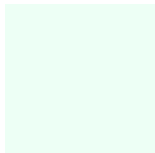
This preview shows how white text looks on a background with the XYZ color 87.1665, 96.1171,

100.3445.

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

87.1665, 96.1171, 100.3445



Protanopia

91.7547, 96.1629, 99.3132

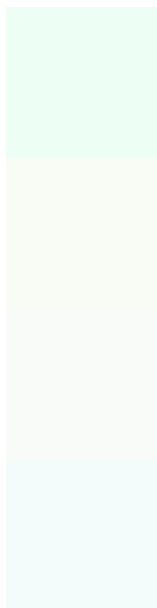
Deuteranopia

92.3710, 95.9135, 104.0872

Tritanopia

91.2586, 96.1708, 108.3607

Trichromacy



Original Color

87.1665, 96.1171, 100.3445

Protanomaly

89.8509, 96.1089, 99.4032

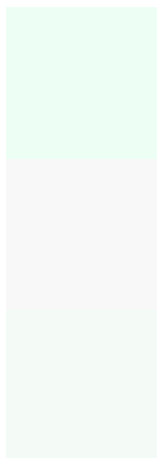
Deuteranomaly

90.1519, 95.7281, 102.5328

Tritanomaly

89.5312, 95.8189, 105.0429

Monochromacy



Original Color

87.1665, 96.1171, 100.3445

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.5939, 94.9429, 101.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1665, 96.1171, 100.3445 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(237, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 245)  
}
```

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(237, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 87.1665, 96.1171, 100.3445 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(237, 255, 245) }
```


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

```
.border{ border-color:rgb(237, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1665, 96.1171, 100.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 245) }
```

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

```
.background{ background-color: rgb(237,  
255, 245) }
```

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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