

Converting Colors

XYZ(44.9395, 63.5361, 47.2372)

Have a look what the booklet for
XYZ(44.9395, 63.5361, 47.2372)
contains.

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Color

**XYZ(44.8965, 63.5023,
47.4270)**

Conversions

Conversions Part 1

Format	Color
Hex	87E4A9
RGB	135, 228, 169
RGB Percent	53%, 89%, 66%
CMY	0.4706, 0.1059, 0.3372
CMYK	0.41, 0.00, 0.26, 0.11
HSL	142°, 63%, 71%
HSV	142°, 41%, 89%
XYZ	44.8965, 63.5023, 47.4270
YIQ	193.4670, -36.4890, -38.0650

Conversions

Conversions Part 2

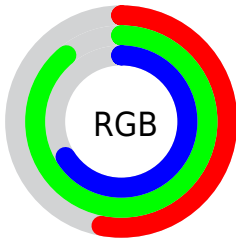
Format	Color
RYB	135, 203, 228
Decimal	8905897
CIELab	83.71, -40.37, 20.30
CIELCh	84, 45.185, 153.303
Yxy	63.5023, 0.2881, 0.4075
Android (android.graphics.Color)	4287095977 (0xFF87E4A9)
YUV	193.4670, -12.0622, -51.2756
Hunter-Lab	79.6883, -38.8875, 20.4950

Details

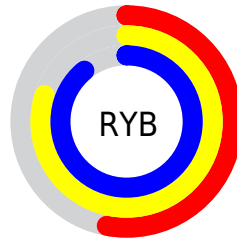
The XYZ color **44.8965, 63.5023, 47.4270** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **50.3986, 37.7183, 55.6654**, and the grayscale version is **51.0491, 53.7076, 58.4876**.

A 20% lighter version of the original color is **70.9528, 88.1083, 83.7880**, and **21.1879, 32.4517, 21.9767** is the 20% darker color. If you saturate the color by 10%, you get **40.3299, 61.2982, 40.5131**, and if you desaturate by 10%, it is **50.4022, 66.1767, 55.1719**.

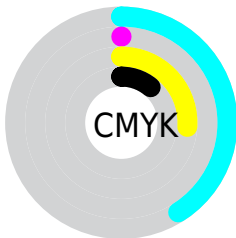
Distribution



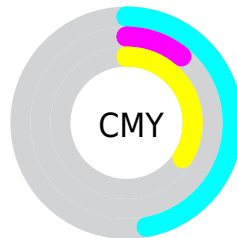
- Red (53%)
- Green (89%)
- Blue (66%)



- Red (53%)
- Yellow (80%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8965, 63.5023, 47.4270 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 44.8965, 63.5023, 47.4270 by changing the saturation by 10% instead.


 44.8965, 63.5023,
47.4270


 44.8965, 63.5023,
47.4270


357.1450,
437.3901, 392.9594


 31.5768, 46.2477,
33.0166


 81.8031, 109.8939,
87.7073

 21.1925, 32.4413,
21.8679


 106.1207,
139.7996, 114.4143

 13.3780, 21.6988,
13.5625

 134.8351,
174.6911, 146.0571

 7.7682, 13.6358,
7.6818

168.3115,
214.9529, 183.0545

 3.9975, 7.8678,
3.8072

206.9154,
260.9693, 225.8248

 1.7007, 4.0105,
1.5202

251.0120,

 0.4567, 1.6794,

313.1247, 274.7867

0.2329

300.9667,
371.8035, 330.3587

■ 0.0000, 0.4103,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.8965, 63.5023,
47.4270

■ 44.8965, 63.5023,
47.4270

■ 40.3299, 61.2982,
40.5131

■ 50.4022, 66.1767,
55.1719

■ 36.6420, 59.5285,
34.3978


■ 56.8928, 69.3391,
63.7702


■ 33.7726, 58.1647,
29.0530


■ 64.4169, 73.0159,
73.2485


■ 31.6518, 57.1711,
24.4470

■ 73.0185, 77.2293,
83.6314

 30.1965, 56.5057,
20.5457

 82.7390, 82.0001,
94.9420

 29.3197, 56.1193,
17.5425

 87.0346, 83.9692,
106.2282

Harmonies

Analogous

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



50.4959, 63.5023, 32.8524



44.8965, 63.5023, 47.4270



43.2763, 63.5023, 72.3328

Triad

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



44.8965, 63.5023, 47.4270



61.4607, 63.5023, 139.1073



77.7072, 63.5023, 43.3193

Complementary

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



44.8965, 63.5023, 47.4270



50.3986, 37.7183, 55.6654

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.



81.4277, 63.5023, 66.0488



44.8965, 63.5023, 47.4270



71.4251, 63.5023, 125.4548

Square

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



44.8965, 63.5023, 47.4270



52.2018, 63.5023, 130.1868



79.0127, 63.5023, 96.6445



69.3203, 63.5023, 30.9763

Rectangle

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



44.8965, 63.5023, 47.4270



44.5065, 63.5023, 93.0326



79.0127, 63.5023, 96.6445



79.5842, 63.5023, 49.7393

Sweetspot

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



44.8982, 63.5049, 47.4284



81.7050, 93.4634, 92.7765



54.7409, 68.9011, 33.3364



17.2037, 19.8659, 19.5044



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.



44.8982, 63.5049, 47.4284



52.7834, 79.3937, 53.4768



49.8811, 65.4981, 73.6679



14.4060, 16.1758, 16.4029



16.9817, 32.4248, 10.4037



1.2984, 2.4135, 0.9977

Inverse Universe

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



50.3986, 37.7183, 55.6654



60.7776, 41.8579, 65.4057



46.0815, 35.9915, 32.9320



14.7598, 14.5211, 16.9357



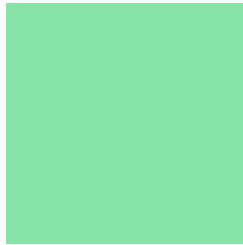
21.4694, 10.7220, 16.6326



1.6308, 0.8100, 1.4623

Previews

White Background



This preview shows how the XYZ color 44.8965, 63.5023, 47.4270 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 44.8965, 63.5023, 47.4270 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 44.8965, 63.5023, 47.4270

Background



This preview shows how black text looks on a background with the XYZ color 44.8965, 63.5023, 47.4270.



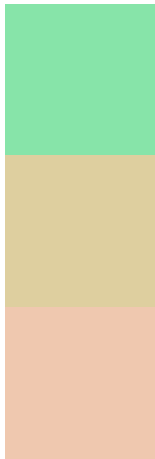
This preview shows how white text looks on a background with the XYZ color 44.8965, 63.5023,

47.4270.

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

44.8965, 63.5023, 47.4270

Protanopia

58.6950, 62.6584, 41.8016

Deuteranopia

63.9887, 62.7544, 49.2977



Tritanopia

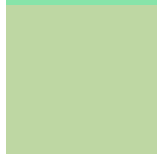
53.1953, 63.2615, 89.5278

Trichromacy



Original Color

44.8965, 63.5023, 47.4270



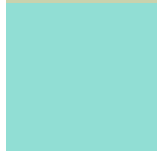
Protanomaly

52.1465, 62.1924, 43.9062



Deuteranomaly

54.6768, 61.5278, 48.5294



Tritanomaly

49.6820, 63.0158, 71.8321

Monochromacy



Original Color

44.8965, 63.5023, 47.4270



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.7363, 56.3740, 53.7127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8965, 63.5023, 47.4270 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(135, 228, 169)` looks like.

```
.text, #text, p{  
    color:rgb(135, 228, 169)  
}
```

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(135, 228, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 228, 169) }
```

Border

The CSS property to change the border of an element to XYZ 44.8965, 63.5023, 47.4270 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(135, 228, 169) }
```


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

```
.border{ border-color:rgb(135, 228, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 228, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 228, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 228, 169);  
box-shadow:4px 4px 4px 4px rgb(135, 228,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8965, 63.5023, 47.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 228, 169) }
```

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

```
.background{ background-color: rgb(135,  
228, 169) }
```

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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