

Converting Colors

XYZ(40.4509, 54.8740, 47.4470)

Have a look what the booklet for
XYZ(40.4509, 54.8740, 47.4470)
contains.

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Color

**XYZ(40.5056, 54.9711,
47.5053)**

Conversions

Conversions Part 1

Format	Color
Hex	84D4AC
RGB	132, 212, 172
RGB Percent	52%, 83%, 67%
CMY	0.4823, 0.1686, 0.3255
CMYK	0.38, 0.00, 0.19, 0.17
HSL	150°, 48%, 67%
HSV	150°, 38%, 83%
XYZ	40.5056, 54.9711, 47.5053
YIQ	183.5200, -34.8400, -29.4000

Conversions

Conversions Part 2

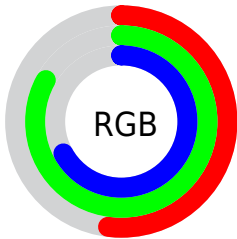
Format	Color
RYB	132, 185, 212
Decimal	8705196
CIELab	79.02, -33.32, 12.15
CIElCh	79, 35.467, 159.974
Yxy	54.9711, 0.2833, 0.3845
Android (android.graphics.Color)	4286895276 (0xFF84D4AC)
YUV	183.5200, -5.6794, -45.1830
Hunter-Lab	74.1425, -32.2311, 13.9109

Details

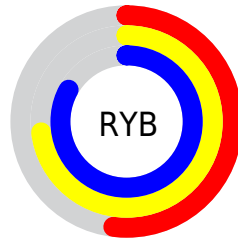
The XYZ color **40.5056, 54.9711, 47.5053** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.8509, 33.4794, 43.2356**, and the grayscale version is **45.3406, 47.7018, 51.9473**.

A 20% lighter version of the original color is **70.3642, 87.7574, 85.9033**, and **18.5890, 27.0897, 22.0184** is the 20% darker color. If you saturate the color by 10%, you get **36.5436, 53.0431, 42.2163**, and if you desaturate by 10%, it is **45.2255, 57.2834, 53.2562**.

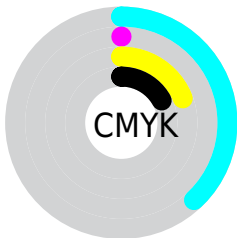
Distribution



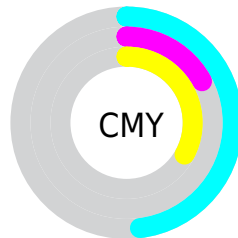
- Red (52%)
- Green (83%)
- Blue (67%)



- Red (52%)
- Yellow (73%)
- Blue (83%)



- Cyan (38%)
- Magenta (0%)
- Yellow (19%)
- Black (17%)




- Cyan (48%)
- Magenta (17%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5056, 54.9711, 47.5053 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 40.5056, 54.9711, 47.5053 by changing the saturation by 10% instead.


 40.5056, 54.9711,
47.5053


 40.5056, 54.9711,
47.5053


339.3480,
405.8024, 393.2799


 28.1189, 39.3786,
33.0781


 75.2123, 97.4986,
87.8253

 18.5562, 27.0544,
21.9147


 98.2630, 125.2024,
114.5551

 11.4522, 17.6141,
13.5965


 125.5991,
157.7121, 146.2228

 6.4414, 10.6733,
7.7050

157.5859,
195.4120, 183.2471

 3.1585, 5.8476,
3.8217

194.5889,
238.6866, 226.0464

 1.2381, 2.7526,
1.5281

236.9733,

 0.1361, 1.0040,

287.9203, 275.0393

0.2387

285.1046,
343.4974, 330.6443

■ 0.0000, 0.0000,
0.0000

■ 40.5056, 54.9711,
47.5053

■ 40.5056, 54.9711,
47.5053

■ 36.5436, 53.0431,
42.2163

■ 45.2255, 57.2834,
53.2562

■ 33.2920, 51.4706,
37.3735

■ 50.7382, 59.9934,
59.4765

■ 30.7048, 50.2318,
32.9657


■ 57.0819, 63.1219,
66.1784


■ 28.7285, 49.2991,
28.9799


■ 64.2907, 66.6864,
73.3724


■ 27.3002, 48.6405,
25.4021


■ 72.3970, 70.7034,
81.0688

 26.3326, 48.2112,
22.2166

 79.8675, 74.3822,
89.2041

 26.1460, 48.1296,
21.5472

 81.4507, 75.0155,
97.5409

 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



44.0048, 54.9711, 34.7342



40.5056, 54.9711, 47.5053



39.9884, 54.9711, 66.8424

Triad

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



40.5056, 54.9711, 47.5053



54.6347, 54.9711, 106.8804



63.3551, 54.9711, 38.1937

Complementary

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



40.5056, 54.9711, 47.5053



42.8509, 33.4794, 43.2356

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.



66.7884, 54.9711, 53.3708



40.5056, 54.9711, 47.5053



61.4621, 54.9711, 94.8576

Square

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



40.5056, 54.9711, 47.5053



47.7369, 54.9711, 104.3068



66.0661, 54.9711, 74.1766



57.0355, 54.9711, 30.2575

Rectangle

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



40.5056, 54.9711, 47.5053



41.3508, 54.9711, 81.4507



66.0661, 54.9711, 74.1766



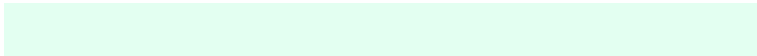
64.9098, 54.9711, 42.4584

Sweetspot

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



40.5071, 54.9734, 47.5065



83.2962, 94.1921, 96.9899



45.0176, 57.6777, 30.5907



17.5428, 20.0199, 20.4593



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.



40.5071, 54.9734, 47.5065



56.7670, 81.1770, 65.8752



44.7772, 56.6814, 69.9924



12.5188, 13.9985, 14.5463



16.1911, 29.7318, 13.5680



1.0184, 1.8100, 1.0384

Inverse Universe

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



42.8509, 33.4794, 43.2356



60.8047, 44.1493, 58.5177



39.6609, 32.2035, 26.4375



12.6796, 12.5233, 14.2532



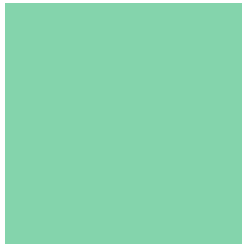
18.4187, 9.3038, 9.5088



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 40.5056, 54.9711, 47.5053 looks on a white background.

Color Contrast Check

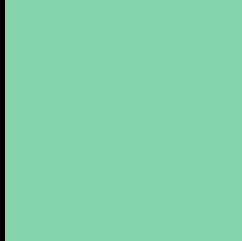
Large Text (above 18pt) WCAG AA × Fail

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 40.5056, 54.9711, 47.5053 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

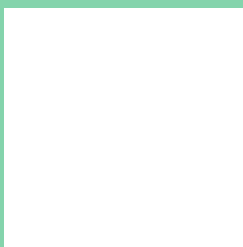
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5056, 54.9711, 47.5053

Background



This preview shows how black text looks on a background with the XYZ color 40.5056, 54.9711, 47.5053.



This preview shows how white text looks on a background with the XYZ color 40.5056, 54.9711,

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

40.5056, 54.9711, 47.5053

Protanopia

51.0795, 54.2071, 42.4212

Deuteranopia

55.4342, 54.3564, 49.1651



Tritanopia

46.3438, 54.7762, 77.2375

Trichromacy



Original Color

40.5056, 54.9711, 47.5053

Protanomaly

46.1297, 53.9914, 44.0665

Deuteranomaly

48.4432, 53.7190, 48.3730

Tritanomaly

44.1024, 54.9604, 65.4107

Monochromacy



Original Color

40.5056, 54.9711, 47.5053

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.0471, 49.8782, 50.5386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5056, 54.9711, 47.5053 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(132, 212, 172)` looks like.

```
.text, #text, p{  
    color:rgb(132, 212, 172)  
}
```

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(132, 212, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 212, 172) }
```

Border

The CSS property to change the border of an element to XYZ 40.5056, 54.9711, 47.5053 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(132, 212, 172) }
```


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

```
.border{ border-color:rgb(132, 212, 172) }
```

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

Here you see how a box with a 4 pixel rgb(132, 212, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 212, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 212, 172);  
box-shadow:4px 4px 4px 4px rgb(132, 212,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5056, 54.9711, 47.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 212, 172) }
```

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

```
.background{ background-color: rgb(132,  
212, 172) }
```

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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