

Converting Colors

XYZ(42.6060, 50.7101, 48.1022)

Have a look what the booklet for
XYZ(42.6060, 50.7101, 48.1022)
contains.

XYZ(42.6044, 50.7090, 48.0998)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6044, 50.7090,
48.0998)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C5AF
RGB	162, 197, 175
RGB Percent	64%, 77%, 69%
CMY	0.3647, 0.2274, 0.3137
CMYK	0.18, 0.00, 0.11, 0.23
HSL	142°, 23%, 70%
HSV	142°, 18%, 77%
XYZ	42.6044, 50.7090, 48.0998
YIQ	184.0270, -13.7980, -14.2620

Conversions

Conversions Part 2

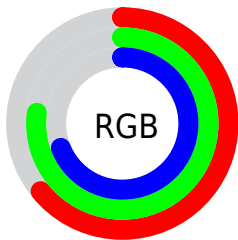
Format	Color
RYB	162, 188, 197
Decimal	10667439
CIELab	76.50, -16.06, 7.17
CIELCh	77, 17.587, 155.953
Yxy	50.7090, 0.3013, 0.3586
Android (android.graphics.Color)	4288857519 (0xFFA2C5AF)
YUV	184.0270, -4.4503, -19.3177
Hunter-Lab	71.2103, -17.8231, 9.7991

Details

The XYZ color **42.6044, 50.7090, 48.0998** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5998, 41.1729, 50.9461**, and the grayscale version is **45.6053, 47.9803, 52.2505**.

A 20% lighter version of the original color is **78.4809, 91.4049, 89.1078**, and **19.8280, 24.3900, 22.4016** is the 20% darker color. If you saturate the color by 10%, you get **37.7509, 48.3425, 41.8125**, and if you desaturate by 10%, it is **48.1992, 53.4476, 55.0062**.

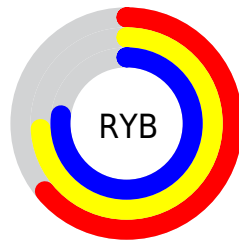
Distribution



Red (64%)

Green (77%)

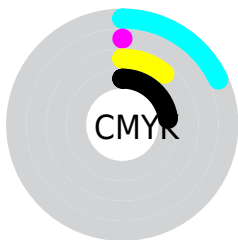
Blue (69%)



Red (64%)

Yellow (74%)

Blue (77%)

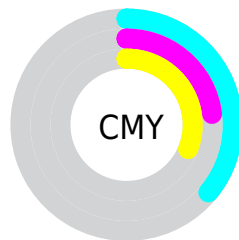


Cyan (18%)

Magenta (0%)

Yellow (11%)

Black (23%)



Cyan (36%)


Magenta (23%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6044, 50.7090, 48.0998 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 42.6044, 50.7090, 48.0998 by changing the saturation by 10% instead.


 42.6044, 50.7090,
48.0998


 42.6044, 50.7090,
48.0998


347.9315,
389.4321, 395.7077

 29.7680, 35.9771,
33.5454


 78.3730, 91.2245,
88.7201

 19.8098, 24.4165,
22.2700


 102.0359,
117.7768, 115.6230

 12.3643, 15.6429,
13.8552


130.0384,
149.0381, 147.4792

 7.0662, 9.2718,
7.8825

162.7457,
185.3927, 184.7071

 3.5503, 4.9189,
3.9331

200.5234,
227.2250, 227.7254

 1.4510, 2.1997,
1.5887

243.7367,

 0.2921, 0.7199,

274.9194, 276.9526

0.2828

292.7509,
328.8603, 332.8072

■ 0.0000, 0.0000,
0.0000

■ 42.6044, 50.7090,
48.0998

■ 42.6044, 50.7090,
48.0998

■ 37.7509, 48.3425,
41.8125

■ 48.1992, 53.4476,
55.0062

■ 33.6025, 46.3255,
36.1239

■ 54.5612, 56.5671,
62.5449

■ 30.1259, 44.6427,
31.0173

■ 61.7202, 60.0838,
70.7325

■ 27.2837, 43.2751,
26.4738

■ 69.7030, 64.0115,
79.5844

■ 25.0345, 42.2018,
22.4738

■ 76.4815, 67.3041,
89.0192

■ 23.3316, 41.3991,
18.9961

■ 78.3534, 68.0529,
98.8765

■ 22.1208, 40.8396,
16.0183

■ 79.2572, 68.4144,
103.6357

■ 21.3244, 40.4836,
13.5155

■ 21.1754, 40.4177,
13.0179

Harmonies

Analogous

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



44.5489, 50.7090, 41.7078



42.6044, 50.7090, 48.0998



42.1280, 50.7090, 57.1297

Triad

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



42.6044, 50.7090, 48.0998



48.8619, 50.7090, 75.4465



53.5469, 50.7090, 45.1684

Complementary

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



42.6044, 50.7090, 48.0998



44.5998, 41.1729, 50.9461

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.



54.8233, 50.7090, 53.3406



42.6044, 50.7090, 48.0998



52.0399, 50.7090, 71.3590

Square

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



42.6044, 50.7090, 48.0998



45.6449, 50.7090, 73.6305



54.2596, 50.7090, 62.9961



50.8433, 50.7090, 40.1561

Rectangle

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



42.6044, 50.7090, 48.0998



42.6870, 50.7090, 63.5994



54.2596, 50.7090, 62.9961



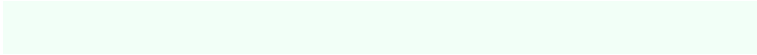
54.1626, 50.7090, 47.5992

Sweetspot

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



42.6058, 50.7111, 48.1009



89.2501, 97.1560, 102.0329



46.2968, 52.7544, 41.9256



18.9349, 20.7129, 21.6377



0.0000, 0.0000, 0.0000



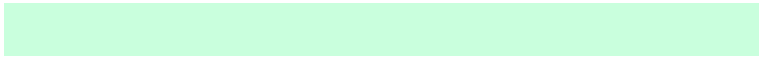
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6058, 50.7111, 48.1009



73.0649, 89.2385, 82.0173



44.4196, 51.4367, 57.6524



10.6576, 11.9519, 12.1473



13.9647, 26.5982, 8.7584



0.6962, 1.2734, 0.5987

Inverse Universe

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



44.5998, 41.1729, 50.9461



77.2432, 69.2480, 87.9766



42.8921, 40.4898, 41.9534



10.9096, 10.7472, 12.5070



17.5727, 8.7787, 13.4918



0.8662, 0.4293, 0.8188

Previews

White Background



This preview shows how the XYZ color 42.6044, 50.7090, 48.0998 looks on a white background.

Color Contrast Check

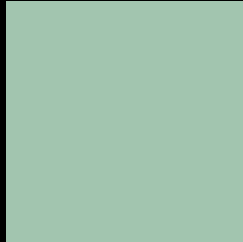
Large Text (above 18pt) WCAG AA × Fail

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 42.6044, 50.7090, 48.0998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

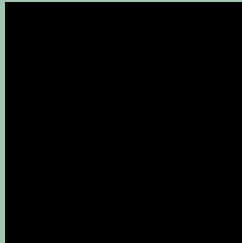
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6044, 50.7090, 48.0998

Background



This preview shows how black text looks on a background with the XYZ color 42.6044, 50.7090, 48.0998.



This preview shows how white text looks on a background with the XYZ color 42.6044, 50.7090,

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

42.6044, 50.7090, 48.0998

Protanopia

48.0039, 50.6045, 45.2678

Deuteranopia

51.3422, 50.3719, 49.1362



Tritanopia

46.3833, 50.5782, 66.9924

Trichromacy



Original Color

42.6044, 50.7090, 48.0998

Protanomaly

45.8444, 50.4305, 46.3475

Deuteranomaly

47.6985, 50.0524, 48.7421

Tritanomaly

44.9815, 50.6761, 59.6352

Monochromacy



Original Color

42.6044, 50.7090, 48.0998

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.4426, 48.9615, 50.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6044, 50.7090, 48.0998 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(162, 197, 175)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 175)  
}
```

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(162, 197, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 175) }
```

Border

The CSS property to change the border of an element to XYZ 42.6044, 50.7090, 48.0998 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(162, 197, 175) }
```


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

```
.border{ border-color:rgb(162, 197, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 197, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 175);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6044, 50.7090, 48.0998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 175) }
```

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

```
.background{ background-color: rgb(162,  
197, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor