

Converting Colors

XYZ(40.4214, 46.6969, 54.8572)

Have a look what the booklet for
XYZ(40.4214, 46.6969, 54.8572)
contains.

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Color

**XYZ(40.5198, 46.8416,
55.0498)**

Conversions

Conversions Part 1

Format	Color
Hex	99BDBD
RGB	153, 189, 189
RGB Percent	60%, 74%, 74%
CMY	0.4000, 0.2588, 0.2588
CMYK	0.19, 0.00, 0.00, 0.26
HSL	180°, 21%, 67%
HSV	180°, 19%, 74%
XYZ	40.5198, 46.8416, 55.0498
YIQ	178.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

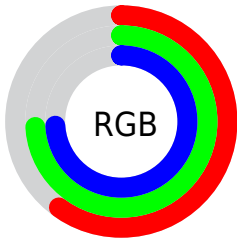
Format	Color
RYB	153, 171, 189
Decimal	10075581
CIELab	74.09, -12.00, -4.00
CIELCh	74, 12.652, 198.452
Yxy	46.8416, 0.2845, 0.3289
Android (android.graphics.Color)	4288265661 (0xFF99BDBD)
YUV	178.2360, 5.3067, -22.1320
Hunter-Lab	68.4409, -14.0924, 0.2193

Details

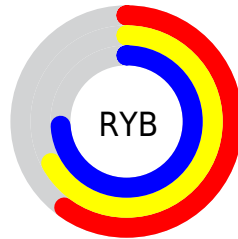
The XYZ color **40.5198, 46.8416, 55.0498** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1290, 35.9026, 35.0593**, and the grayscale version is **42.4238, 44.6332, 48.6055**.

A 20% lighter version of the original color is **75.1463, 85.3073, 98.8915**, and **18.6149, 22.1526, 26.5873** is the 20% darker color. If you saturate the color by 10%, you get **37.2315, 45.1477, 54.8962**, and if you desaturate by 10%, it is **44.3759, 48.8307, 55.2320**.

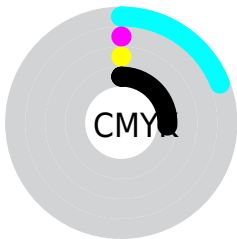
Distribution



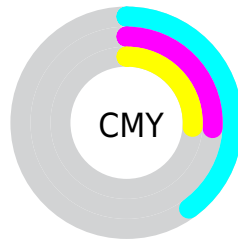
- Red (60%)
- Green (74%)
- Blue (74%)



- Red (60%)
- Yellow (67%)
- Blue (74%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5198, 46.8416, 55.0498 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 40.5198, 46.8416, 55.0498 by changing the saturation by 10% instead.

■ 40.5198, 46.8416,
55.0498

■ 40.5198, 46.8416,
55.0498

339.4066,
374.1819, 423.3879

■ 28.1301, 32.9105,
39.0427

■ 75.2337, 85.4771,
99.0858

■ 18.5647, 22.0579,
26.4849

■ 98.2886, 110.9503,
127.9518

■ 11.4583, 13.8994,
16.9577

125.6293,
141.0396, 161.9412

■ 6.4455, 8.0507,
10.0427

157.6211,
176.1294, 201.4725

■ 3.1611, 4.1274,
5.3213

194.6293,
216.6042, 246.9643

■ 1.2395, 1.7451,
2.3750

237.0194,

■ 0.1372, 0.4526,

262.8483, 298.8351

0.7728

285.1567,
315.2460, 357.5035

■ 0.0000, 0.0000,
0.0000

■ 40.5198, 46.8416,
55.0498

■ 40.5198, 46.8416,
55.0498

■ 37.2315, 45.1477,
54.8962

■ 44.3759, 48.8307,
55.2320

■ 34.4803, 43.7294,
54.7667

■ 48.8205, 51.1220,
55.4407

■ 32.2390, 42.5740,
54.6610

■ 53.8783, 53.7293,
55.6782

■ 30.4763, 41.6653,
54.5778

■ 59.5712, 56.6641,
55.9454

■ 29.1573, 40.9853,
54.5153

■ 65.9204, 59.9372,
56.2432

■ 28.2426, 40.5138,
54.4718

■ 68.6247, 61.3313,
56.3705

■ 27.6858, 40.2268,
54.4450

■ 68.6249, 61.3314,
56.3713

■ 27.4052, 40.0822,
54.4311

■ 68.6250, 61.3315,
56.3720

■ 27.3827, 40.0705,
54.4300

■ 68.6251, 61.3315,
56.3728

Harmonies

Analogous

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



40.3925, 46.8416, 48.5481



40.5198, 46.8416, 55.0498



41.6972, 46.8416, 60.9100

Triad

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



40.5198, 46.8416, 55.0498



47.8584, 46.8416, 59.7232



45.3984, 46.8416, 39.7403

Complementary

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



40.5198, 46.8416, 55.0498



38.1290, 35.9026, 35.0593

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.



47.4706, 46.8416, 42.2322



40.5198, 46.8416, 55.0498



48.9227, 46.8416, 53.5384

Square

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



40.5198, 46.8416, 55.0498



45.9132, 46.8416, 63.7618



48.7784, 46.8416, 47.1587



43.1583, 46.8416, 40.0702

Rectangle

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



40.5198, 46.8416, 55.0498



42.9423, 46.8416, 63.4949



48.7784, 46.8416, 47.1587



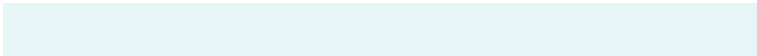
46.1390, 46.8416, 40.2666

Sweetspot

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



40.5212, 46.8435, 55.0509



81.7118, 88.6057, 99.0213



37.1992, 45.5279, 36.9651



17.4640, 18.9987, 21.2890



90.7827, 95.5105, 104.0109



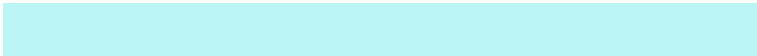
18.6292, 19.5994, 21.3438

Same Dimension

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



40.5212, 46.8435, 55.0509



69.9037, 82.5185, 98.4664



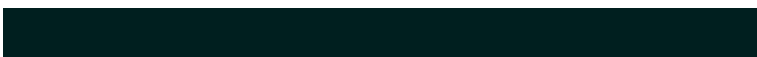
37.0001, 39.8010, 53.8785



9.8086, 10.8096, 12.2415



18.4232, 26.9595, 36.6207



0.7217, 1.0560, 1.4345

Inverse Universe

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



38.1290, 35.9026, 35.0593



64.8069, 59.2077, 55.8725



41.1876, 42.0201, 36.0779



9.5302, 9.5364, 9.9152



14.1203, 7.2793, 0.6611



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 40.5198, 46.8416, 55.0498 looks on a white background.

Color Contrast Check

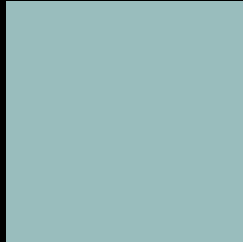
Large Text (above 18pt) WCAG AA × Fail

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 40.5198, 46.8416, 55.0498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

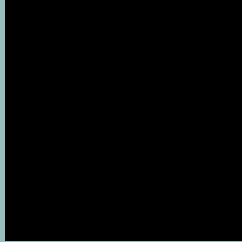
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5198, 46.8416, 55.0498

Background



This preview shows how black text looks on a background with the XYZ color 40.5198, 46.8416, 55.0498.

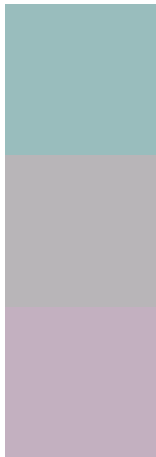


This preview shows how white text looks on a background with the XYZ color 40.5198, 46.8416,

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

40.5198, 46.8416, 55.0498

Protanopia

44.9428, 46.6988, 51.9924

Deuteranopia

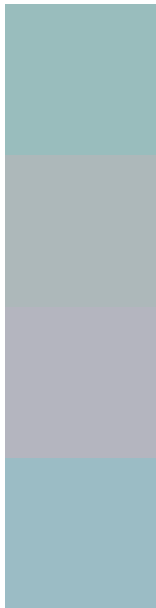
47.5454, 46.4585, 56.3307



Tritanopia

42.1413, 46.8728, 62.7034

Trichromacy



Original Color

40.5198, 46.8416, 55.0498

Protanomaly

43.2370, 46.7104, 53.1915

Deuteranomaly

44.7502, 46.5126, 55.9095

Tritanomaly

41.5788, 46.9662, 59.6973

Monochromacy



Original Color

40.5198, 46.8416, 55.0498

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.5336, 45.2683, 50.8046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5198, 46.8416, 55.0498 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(153, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 189)  
}
```

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(153, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 40.5198, 46.8416, 55.0498 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(153, 189, 189) }
```


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

```
.border{ border-color:rgb(153, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5198, 46.8416, 55.0498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 189) }
```

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

```
.background{ background-color: rgb(153,  
189, 189) }
```

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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