

Converting Colors

XYZ(40.7121, 48.9676, 59.1905)

Have a look what the booklet for
XYZ(40.7121, 48.9676, 59.1905)
contains.

XYZ(40.5208, 48.7211, 58.8982)	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(40.5208, 48.7211,
58.8982)**

Conversions

Conversions Part 1

Format	Color
Hex	8EC3C3
RGB	142, 195, 195
RGB Percent	56%, 76%, 76%
CMY	0.4431, 0.2353, 0.2353
CMYK	0.27, 0.00, 0.00, 0.24
HSL	180°, 31%, 66%
HSV	180°, 27%, 76%
XYZ	40.5208, 48.7211, 58.8982
YIQ	179.1530, -31.5880, -11.2360

Conversions

Conversions Part 2

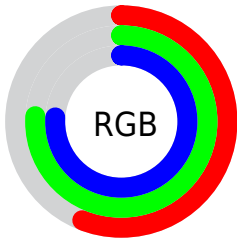
Format	Color
R_{YB}	142, 169, 195
Decimal	9356227
CIE _{Lab}	75.28, -17.12, -5.58
CIE _{LCh}	75, 18.011, 198.060
Yxy	48.7211, 0.2735, 0.3289
Android (android.graphics.Color)	4287546307 (0xFF8EC3C3)
YUV	179.1530, 7.8126, -32.5832
Hunter-Lab	69.8005, -18.5275, -1.1690

Details

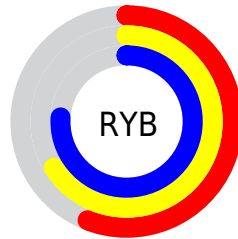
The XYZ color **40.5208, 48.7211, 58.8982** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0629, 32.9026, 29.9906**, and the grayscale version is **42.9022, 45.1364, 49.1536**.

A 20% lighter version of the original color is **75.4070, 88.5194, 105.2070**, and **18.5490, 23.1465, 28.6894** is the 20% darker color. If you saturate the color by 10%, you get **37.4637, 47.1463, 58.7557**, and if you desaturate by 10%, it is **44.1661, 50.6015, 59.0703**.

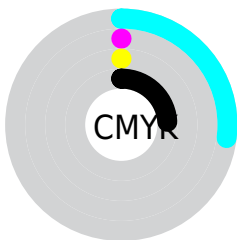
Distribution



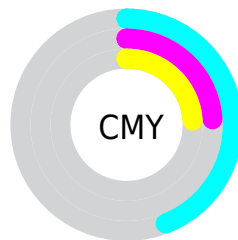
- Red (56%)
- Green (76%)
- Blue (76%)



- Red (56%)
- Yellow (66%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (44%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5208, 48.7211, 58.8982 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 40.5208, 48.7211, 58.8982 by changing the saturation by 10% instead.

■ 40.5208, 48.7211,
58.8982

■ 40.5208, 48.7211,
58.8982

339.4107,
381.6433, 438.2159

■ 28.1309, 34.3983,
42.1117

■ 75.2352, 88.2771,
104.7574

■ 18.5653, 23.1997,
28.8625

■ 98.2904, 114.2791,
134.6671

■ 11.4587, 14.7411,
18.7322

125.6314,
144.9429, 169.7883

■ 6.4458, 8.6379,
11.3021

157.6235,
180.6529, 210.5396

■ 3.1612, 4.5057,
6.1537

194.6322,
221.7936, 257.3395

■ 1.2396, 1.9603,
2.8684

237.0227,

■ 0.1373, 0.5843,

268.7493, 310.6065

1.0279

285.1604,
321.9044, 370.7591

■ 0.0000, 0.0000,
0.0000

■ 40.5208, 48.7211,
58.8982

■ 40.5208, 48.7211,
58.8982

■ 37.4637, 47.1463,
58.7557

■ 44.1661, 50.6015,
59.0703

■ 34.9600, 45.8556,
58.6380

■ 48.4235, 52.7963,
59.2701

■ 32.9778, 44.8338,
58.5448

■ 53.3209, 55.3210,
59.4997

■ 31.4805, 44.0619,
58.4742

■ 58.8833, 58.1885,
59.7606

■ 30.4263, 43.5185,
58.4244

■ 65.1341, 61.4109,
60.0536

■ 29.7668, 43.1785,
58.3930

■ 70.6070, 64.2323,
60.3102

■ 29.4346, 43.0073,
58.3770

■ 70.6071, 64.2323,
60.3107

■ 29.3657, 42.9718,
58.3736

■ 70.6071, 64.2323,
60.3112

■ 70.6072, 64.2324,
60.3117

Harmonies

Analogous

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



40.3603, 48.7211, 49.3692



40.5208, 48.7211, 58.8982



42.1861, 48.7211, 67.7835

Triad

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



40.5208, 48.7211, 58.8982



51.2016, 48.7211, 66.1774



47.6362, 48.7211, 37.1499

Complementary

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



40.5208, 48.7211, 58.8982



37.0629, 32.9026, 29.9906

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.



50.6899, 48.7211, 40.6213



40.5208, 48.7211, 58.8982



52.8130, 48.7211, 56.9073

Square

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



40.5208, 48.7211, 58.8982



48.3077, 48.7211, 72.3183



52.6214, 48.7211, 47.6005



44.3642, 48.7211, 37.5482

Rectangle

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



40.5208, 48.7211, 58.8982



43.9721, 48.7211, 71.8009



52.6214, 48.7211, 47.6005



48.7251, 48.7211, 37.8842

Sweetspot

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



40.5222, 48.7231, 58.8993



85.9551, 94.1589, 106.1132



35.7066, 46.8144, 32.7465



18.5549, 20.4815, 23.2251



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.



40.5222, 48.7231, 58.8993



68.9860, 85.4111, 105.3169



35.2666, 38.2113, 57.1487



10.3686, 11.4285, 12.9442



19.0854, 27.9282, 37.9383



0.8246, 1.2067, 1.6392

Inverse Universe

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



37.0629, 32.9026, 29.9906



61.6974, 52.0782, 44.4078



41.3219, 41.4208, 31.4094



10.0732, 10.0779, 10.4763



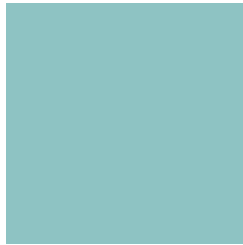
14.6275, 7.5408, 0.6848



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 40.5208, 48.7211, 58.8982 looks on a white background.

Color Contrast Check

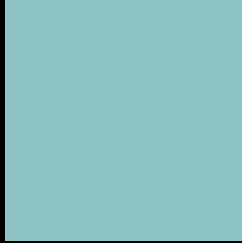
Large Text (above 18pt) WCAG AA × Fail

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 40.5208, 48.7211, 58.8982 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 40.5208, 48.7211, 58.8982

Background



This preview shows how black text looks on a background with the XYZ color 40.5208, 48.7211, 58.8982.

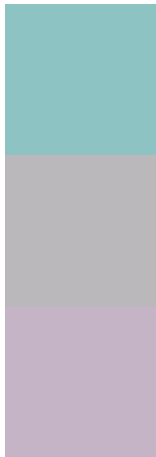


This preview shows how white text looks on a background with the XYZ color 40.5208, 48.7211,

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

40.5208, 48.7211, 58.8982

Protanopia

46.7111, 48.4766, 54.4719

Deuteranopia

49.3391, 48.1877, 60.1268



Tritanopia

42.1322, 48.7137, 66.8566

Trichromacy



Original Color

40.5208, 48.7211, 58.8982

Protanomaly

44.1818, 48.3860, 56.3010

Deuteranomaly

45.5585, 48.0763, 59.7018

Tritanomaly

41.5729, 48.8247, 63.7329

Monochromacy



Original Color

40.5208, 48.7211, 58.8982

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8318, 46.3077, 52.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5208, 48.7211, 58.8982 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(142, 195, 195)` looks like.

```
.text, #text, p{  
    color:rgb(142, 195, 195)  
}
```

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(142, 195, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 195, 195) }
```

Border

The CSS property to change the border of an element to XYZ 40.5208, 48.7211, 58.8982 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(142, 195, 195) }
```


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

```
.border{ border-color:rgb(142, 195, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 195, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 195, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 195, 195);  
box-shadow:4px 4px 4px 4px rgb(142, 195,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5208, 48.7211, 58.8982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 195, 195) }
```

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

```
.background{ background-color: rgb(142,  
195, 195) }
```

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