

Converting Colors

XYZ(42.6919, 52.5369, 68.8185)

Have a look what the booklet for
XYZ(42.6919, 52.5369, 68.8185)
contains.

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Color

**XYZ(42.6617, 52.3516,
68.8291)**

Conversions

Conversions Part 1

Format	Color
Hex	85CBD2
RGB	133, 203, 210
RGB Percent	52%, 80%, 82%
CMY	0.4784, 0.2039, 0.1765
CMYK	0.37, 0.03, 0.00, 0.18
HSL	185°, 46%, 67%
HSV	185°, 37%, 82%
XYZ	42.6617, 52.3516, 68.8291
YIQ	182.8680, -43.9670, -12.6630

Conversions

Conversions Part 2

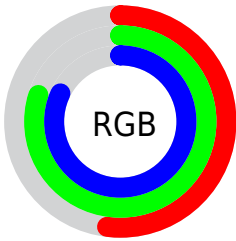
Format	Color
RYB	133, 170, 210
Decimal	8768466
CIELab	77.49, -20.15, -10.46
CIElCh	77, 22.700, 207.425
Yxy	52.3516, 0.2604, 0.3195
Android (android.graphics.Color)	4286958546 (0xFF85CBD2)
YUV	182.8680, 13.3761, -43.7342
Hunter-Lab	72.3544, -21.3728, -5.7531

Details

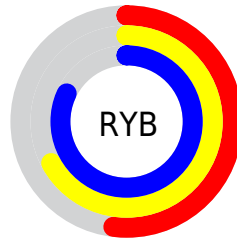
The XYZ color **42.6617, 52.3516, 68.8291** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1909, 34.1519, 26.6653**, and the grayscale version is **44.8850, 47.2226, 51.4254**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **19.8901, 25.5149, 35.3290** is the 20% darker color. If you saturate the color by 10%, you get **39.2244, 49.9159, 68.5410**, and if you desaturate by 10%, it is **46.7705, 55.1443, 69.1525**.

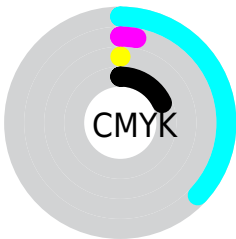
Distribution



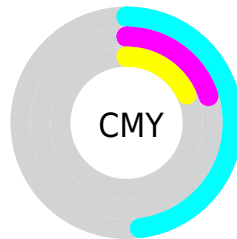
- Red (52%)
- Green (80%)
- Blue (82%)



- Red (52%)
- Yellow (67%)
- Blue (82%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)





- Cyan (48%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6617, 52.3516, 68.8291 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 42.6617, 52.3516, 68.8291 by changing the saturation by 10% instead.


 42.6617, 52.3516,
68.8291


 42.6617, 52.3516,
68.8291


348.1638,
395.7925, 475.1056


 29.8131, 37.2854,
50.1016

 78.4590, 93.6496,
119.2028

 19.8442, 25.4285,
35.1224


 102.1385,
120.6501, 151.6862

 12.3894, 16.3966,
23.4729

 130.1589,
152.3976, 189.5920

 7.0836, 9.8052,
14.7345

162.8857,
189.2764, 233.3387

 3.5612, 5.2700,
8.4887

200.6843,
231.6709, 283.3449

 1.4570, 2.4066,
4.3170

243.9199,

 0.2963, 0.8293,

279.9655, 340.0290

1.8008

292.9580,
334.5445, 403.8098

■ 0.0000, 0.0000,
0.4285

■ 0.0000, 0.0000,
0.0000

■ 42.6617, 52.3516,
68.8291

■ 42.6617, 52.3516,
68.8291

■ 39.2244, 49.9159,
68.5410

■ 46.7705, 55.1443,
69.1525

■ 36.4141, 47.8103,
68.2827

■ 51.5825, 58.3064,
69.5092

■ 34.1885, 46.0144,
68.0534

■ 57.1331, 61.8577,
69.9021

■ 32.4978, 44.5023,
67.8506

■ 63.4539, 65.8143,
70.3327

■ 31.2841, 43.2443,
67.6718

■ 70.5746, 70.1916,
70.8023

■ 30.4722, 42.2015,
67.5133

■ 77.0349, 74.2369,
71.2426

■ 30.2456, 41.8783,
67.4628

■ 77.5221, 75.2113,
71.4050

■ 78.0150, 76.1971,
71.5693

■ 78.5136, 77.1943,
71.7355

Harmonies

Analogous

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



41.8220, 52.3516, 55.9268



42.6617, 52.3516, 68.8291



45.3671, 52.3516, 79.7997

Triad

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



42.6617, 52.3516, 68.8291



57.1864, 52.3516, 70.9762



50.1374, 52.3516, 36.1697

Complementary

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



42.6617, 52.3516, 68.8291



40.1909, 34.1519, 26.6653

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.



54.4247, 52.3516, 39.0211



42.6617, 52.3516, 68.8291



58.6407, 52.3516, 58.0909

Square

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



42.6617, 52.3516, 68.8291



53.7330, 52.3516, 81.1614



57.6020, 52.3516, 46.6138



45.9852, 52.3516, 38.1866

Rectangle

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



42.6617, 52.3516, 68.8291



47.9502, 52.3516, 83.8856



57.6020, 52.3516, 46.6138



51.6120, 52.3516, 36.5799

Sweetspot

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



42.6633, 52.3537, 68.8303



84.6649, 93.4470, 108.1825



37.4113, 52.9571, 32.8373



17.8696, 19.8401, 23.1376



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.



42.6633, 52.3537, 68.8303



61.9360, 78.2276, 106.4428



34.7771, 36.5813, 66.2016



12.0627, 13.2157, 15.1588



18.4879, 25.6224, 41.1637



1.0612, 1.4876, 2.3108

Inverse Universe

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



45.7467, 34.7899, 60.8062



67.4838, 47.4255, 91.8260



46.7169, 47.2039, 28.8406



12.2625, 11.9898, 14.6583



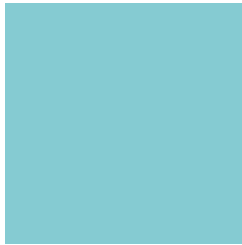
21.9626, 10.6579, 31.0386



1.2419, 0.6015, 1.8085

Previews

White Background



This preview shows how the XYZ color 42.6617, 52.3516, 68.8291 looks on a white background.

Color Contrast Check

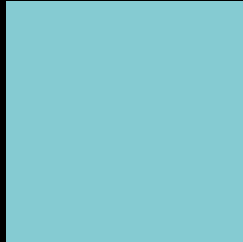
Large Text (above 18pt) WCAG AA × Fail

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 42.6617, 52.3516, 68.8291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

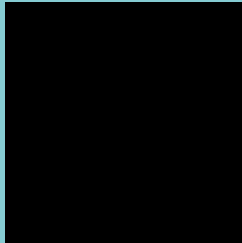
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6617, 52.3516, 68.8291

Background



This preview shows how black text looks on a background with the XYZ color 42.6617, 52.3516, 68.8291.

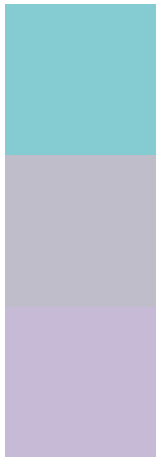


This preview shows how white text looks on a background with the XYZ color 42.6617, 52.3516,

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

42.6617, 52.3516, 68.8291

Protanopia

50.3441, 51.7358, 63.2097

Deuteranopia

52.9852, 51.9786, 70.8586



Tritanopia

43.7671, 52.4539, 74.1475

Trichromacy



Original Color

42.6617, 52.3516, 68.8291

Protanomaly

46.8888, 51.5374, 65.2340

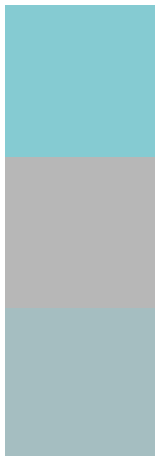
Deuteranomaly

48.3154, 51.5020, 70.3452

Tritanomaly

43.2178, 52.2157, 72.0908

Monochromacy



Original Color

42.6617, 52.3516, 68.8291

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.5561, 48.6765, 57.5519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6617, 52.3516, 68.8291 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(133, 203, 210)` looks like.

```
.text, #text, p{  
    color:rgb(133, 203, 210)  
}
```

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(133, 203, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 203, 210) }
```

Border

The CSS property to change the border of an element to XYZ 42.6617, 52.3516, 68.8291 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(133, 203, 210) }
```


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

```
.border{ border-color:rgb(133, 203, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 203, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 203, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 203, 210);  
box-shadow:4px 4px 4px 4px rgb(133, 203,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6617, 52.3516, 68.8291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 203, 210) }
```

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

```
.background{ background-color: rgb(133,  
203, 210) }
```

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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