

Converting Colors

XYZ(40.8710, 52.4108, 58.2718)

Have a look what the booklet for
XYZ(40.8710, 52.4108, 58.2718)
contains.

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Color

**XYZ(40.8170, 52.3382,
58.4031)**

Conversions

Conversions Part 1

Format	Color
Hex	83CDC1
RGB	131, 205, 193
RGB Percent	51%, 80%, 76%
CMY	0.4863, 0.1961, 0.2431
CMYK	0.36, 0.00, 0.06, 0.20
HSL	170°, 43%, 66%
HSV	170°, 36%, 80%
XYZ	40.8170, 52.3382, 58.4031
YIQ	181.5060, -40.2520, -19.4200

Conversions

Conversions Part 2

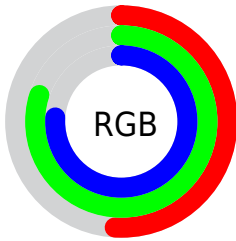
Format	Color
RYB	131, 171, 205
Decimal	8637889
CIELab	77.48, -25.71, -1.32
CIELCh	77, 25.748, 182.947
Yxy	52.3382, 0.2693, 0.3453
Android (android.graphics.Color)	4286827969 (0xFF83CDC1)
YUV	181.5060, 5.6665, -44.2938
Hunter-Lab	72.3451, -25.8946, 2.7777

Details

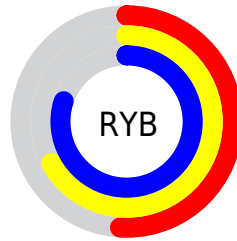
The XYZ color **40.8170, 52.3382, 58.4031** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.2528, 31.1963, 29.9938**, and the grayscale version is **44.1820, 46.4829, 50.6199**.

A 20% lighter version of the original color is **73.3524, 88.9243, 102.9206**, and **18.7005, 25.2839, 28.7056** is the 20% darker color. If you saturate the color by 10%, you get **37.5842, 50.7154, 56.3382**, and if you desaturate by 10%, it is **44.6893, 54.2924, 60.5437**.

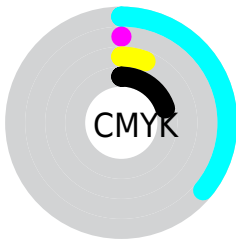
Distribution



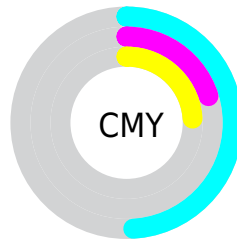
- Red (51%)
- Green (80%)
- Blue (76%)



- Red (51%)
- Yellow (67%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8170, 52.3382, 58.4031 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 40.8170, 52.3382, 58.4031 by changing the saturation by 10% instead.


 40.8170, 52.3382,
58.4031


 40.8170, 52.3382,
58.4031

340.6309,
395.7409, 436.3264


 28.3632, 37.2747,
41.7160

 75.6825, 93.6298,
104.0302

 18.7414, 25.4203,
28.5550


 98.8248, 120.6268,
133.8072

 11.5865, 16.3904,
18.5018

 126.2607,
152.3703, 168.7847

 6.5330, 9.8009,
11.1377

158.3555,
189.2448, 209.3810

 3.2155, 5.2671,
6.0442

195.4746,
231.6348, 256.0148

 1.2687, 2.4048,
2.8027

237.9832,

 0.1596, 0.8284,

279.9245, 309.1046

0.9948

286.2469,
334.4984, 369.0690

■ 0.0000, 0.0000,
0.0000

■ 40.8170, 52.3382,
58.4031

■ 40.8170, 52.3382,
58.4031

■ 37.5842, 50.7154,
56.3382

■ 44.6893, 54.2924,
60.5437

■ 34.9492, 49.3984,
54.3434

■ 49.2308, 56.5894,
62.7584

■ 32.8722, 48.3681,
52.4177

■ 54.4749, 59.2475,
65.0500

■ 31.3068, 47.6006,
50.5587

■ 60.4512, 62.2821,
67.4202

■ 30.1987, 47.0680,
48.7634

■ 67.1878, 65.7077,
69.8707

■ 29.4802, 46.7352,
47.0285

■ 74.7111, 69.5378,
72.4028

■ 29.2550, 46.6336,
46.3654

■ 75.5027, 69.8967,
74.6652

■ 75.9377, 70.0707,
76.9562

■ 76.3816, 70.2482,
79.2934

Harmonies

Analogous

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



41.7271, 52.3382, 45.4465



40.8170, 52.3382, 58.4031



42.1647, 52.3382, 73.1689

Triad

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



40.8170, 52.3382, 58.4031



55.1147, 52.3382, 83.1162



54.2104, 52.3382, 35.9607

Complementary

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



40.8170, 52.3382, 58.4031



38.2528, 31.1963, 29.9938

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.



58.1853, 52.3382, 43.3869



40.8170, 52.3382, 58.4031



58.7313, 52.3382, 70.3334

Square

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



40.8170, 52.3382, 58.4031



50.2378, 52.3382, 88.8455



59.8903, 52.3382, 55.5948



49.2572, 52.3382, 33.8322

Rectangle

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



40.8170, 52.3382, 58.4031



44.2181, 52.3382, 81.6810



59.8903, 52.3382, 55.5948



55.7161, 52.3382, 37.8516

Sweetspot

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



40.8185, 52.3403, 58.4043



84.7489, 94.7732, 104.6397



37.3151, 51.1729, 29.3842



17.8899, 20.1587, 22.2872



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.



40.8185, 52.3403, 58.4043



62.8165, 83.6986, 93.1309



36.7697, 42.0121, 63.9312



11.4621, 12.6946, 13.9907



18.2413, 29.0418, 29.0194



0.9625, 1.5068, 1.6099

Inverse Universe

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



38.2528, 31.1963, 29.9938



58.0419, 44.2671, 40.1987



41.1079, 38.2846, 26.6966



11.2853, 11.2429, 12.0370



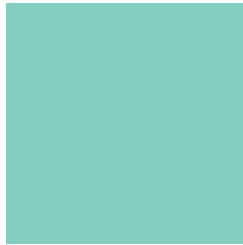
15.8700, 8.1586, 1.7682



0.8426, 0.4304, 0.2168

Previews

White Background



This preview shows how the XYZ color 40.8170, 52.3382, 58.4031 looks on a white background.

Color Contrast Check

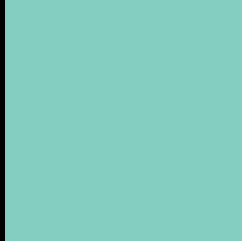
Large Text (above 18pt) WCAG AA × Fail

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 40.8170, 52.3382, 58.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

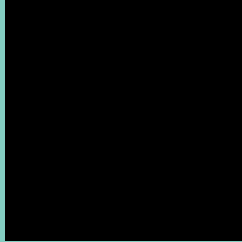
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8170, 52.3382, 58.4031

Background



This preview shows how black text looks on a background with the XYZ color 40.8170, 52.3382, 58.4031.

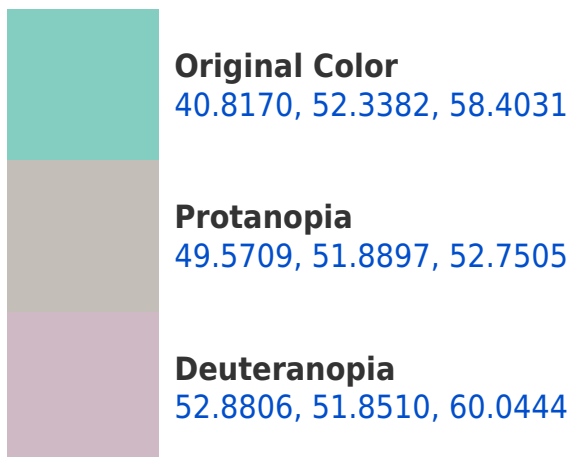


This preview shows how white text looks on a background with the XYZ color 40.8170, 52.3382,

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





Tritanopia

43.8581, 52.1536, 74.0848

Trichromacy



Original Color

40.8170, 52.3382, 58.4031

Protanomaly

45.4980, 51.3887, 54.5347

Deuteranomaly

47.4038, 51.2685, 59.6219

Tritanomaly

42.6208, 51.9954, 68.1114

Monochromacy



Original Color

40.8170, 52.3382, 58.4031

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.3806, 48.1586, 53.5162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8170, 52.3382, 58.4031 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(131, 205, 193)` looks like.

```
.text, #text, p{  
    color:rgb(131, 205, 193)  
}
```

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(131, 205, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 205, 193) }
```

Border

The CSS property to change the border of an element to XYZ 40.8170, 52.3382, 58.4031 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(131, 205, 193) }
```


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

```
.border{ border-color:rgb(131, 205, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 205, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 205, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 205, 193);  
box-shadow:4px 4px 4px 4px rgb(131, 205,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8170, 52.3382, 58.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 205, 193) }
```

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

```
.background{ background-color: rgb(131,  
205, 193) }
```

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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