

Converting Colors

XYZ(40.8838, 51.2251, 64.8602)

Have a look what the booklet for
XYZ(40.8838, 51.2251, 64.8602)
contains.

XYZ(40.9217, 51.1899, 64.8506)	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(40.9217, 51.1899,
64.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	80CACC
RGB	128, 202, 204
RGB Percent	50%, 79%, 80%
CMY	0.4980, 0.2078, 0.2000
CMYK	0.37, 0.01, 0.00, 0.20
HSL	182°, 43%, 65%
HSV	182°, 37%, 80%
XYZ	40.9217, 51.1899, 64.8506
YIQ	180.1020, -44.7460, -15.0660

Conversions

Conversions Part 2

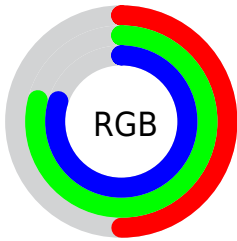
Format	Color
R _{YB}	128, 165, 204
Decimal	8440524
CIE Lab	76.79, -22.42, -8.28
CIE LCh	77, 23.904, 200.275
Yxy	51.1899, 0.2607, 0.3261
Android (android.graphics.Color)	4286630604 (0xFF80CACC)
YUV	180.1020, 11.7817, -45.6935
Hunter-Lab	71.5471, -23.1136, -3.6577

Details

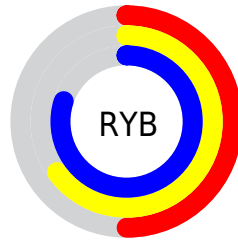
The XYZ color **40.9217, 51.1899, 64.8506** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7815, 30.3617, 24.3450**, and the grayscale version is **43.3944, 45.6543, 49.7175**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **18.8426, 24.7983, 32.6476** is the 20% darker color. If you saturate the color by 10%, you get **38.0312, 49.5146, 64.6804**, and if you desaturate by 10%, it is **44.4325, 53.1882, 65.0521**.

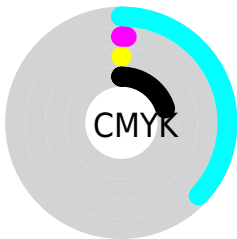
Distribution



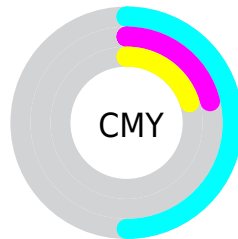
- Red (50%)
- Green (79%)
- Blue (80%)



- Red (50%)
- Yellow (65%)
- Blue (80%)



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9217, 51.1899, 64.8506 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 40.9217, 51.1899, 64.8506 by changing the saturation by 10% instead.

40.9217, 51.1899,
64.8506

40.9217, 51.1899,
64.8506

341.0614,
391.3011, 460.5464

28.4453, 36.3598,
46.8894

75.8405, 91.9354,
113.4463

18.8038, 24.7122,
32.5945

99.0136, 118.6196,
144.9178

11.6317, 15.8627,
21.5474

126.4829,
150.0239, 181.7298

6.5639, 9.4271,
13.3296

158.6140,
186.5327, 224.3009

3.2348, 5.0208,
7.5225

195.7719,
228.5304, 273.0495

1.2791, 2.2595,
3.7076

238.3223,

0.1675, 0.7521,

276.4015, 328.3943

1.4663

286.6303,
330.5303, 390.7537

■ 0.0000, 0.0000,
0.1927

■ 0.0000, 0.0000,
0.0000

■ 40.9217, 51.1899,
64.8506

■ 40.9217, 51.1899,
64.8506

■ 38.0312, 49.5146,
64.6804

■ 44.4325, 53.1882,
65.0521

■ 35.7193, 48.1369,
64.5364

■ 48.5933, 55.5209,
65.2831

■ 33.9463, 47.0377,
64.4177

■ 53.4369, 58.2063,
65.5462

■ 32.6657, 46.1930,
64.3221

■ 58.9932, 61.2597,
65.8427

■ 31.8230, 45.5747,
64.2472

■ 65.2897, 64.6954,
66.1740

■ 31.3436, 45.1443,
64.1894

■ 72.3529, 68.5270,
66.5413

■ 31.2397, 45.0405,
64.1748

■ 74.1522, 69.6456,
66.6623

■ 74.2813, 69.9039,
66.7054

■ 74.4109, 70.1630,
66.7486

Harmonies

Analogous

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



40.5529, 51.1899, 51.6227



40.9217, 51.1899, 64.8506



43.2895, 51.1899, 77.2451

Triad

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



40.9217, 51.1899, 64.8506



55.6770, 51.1899, 73.2771



50.1429, 51.1899, 34.5610

Complementary

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



40.9217, 51.1899, 64.8506



36.7815, 30.3617, 24.3450

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.



54.4453, 51.1899, 38.6454



40.9217, 51.1899, 64.8506



57.7690, 51.1899, 60.0645

Square

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



40.9217, 51.1899, 64.8506



51.7405, 51.1899, 82.6104



57.3047, 51.1899, 47.5201



45.6937, 51.1899, 35.4329

Rectangle

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



40.9217, 51.1899, 64.8506



45.7693, 51.1899, 82.7172



57.3047, 51.1899, 47.5201



51.6584, 51.1899, 35.3722

Sweetspot

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



40.9232, 51.1919, 64.8518



85.2380, 94.5932, 108.3735



34.4762, 49.3680, 28.5750



18.0072, 20.1154, 23.1835



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.



40.9232, 51.1919, 64.8518



63.7126, 82.4277, 107.1599



33.2093, 35.7642, 62.2805



11.5170, 12.6745, 14.4098



19.6737, 28.3713, 40.3956



1.0231, 1.4800, 2.0867

Inverse Universe

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



43.2829, 32.5412, 59.8792



68.2227, 47.1165, 97.5805



42.6668, 42.1323, 26.3068



11.6743, 11.3985, 14.0856



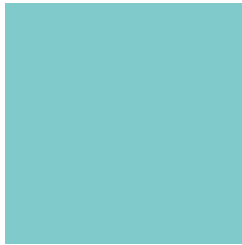
22.1413, 10.6671, 34.7921



1.1464, 0.5520, 1.8166

Previews

White Background



This preview shows how the XYZ color 40.9217, 51.1899, 64.8506 looks on a white background.

Color Contrast Check

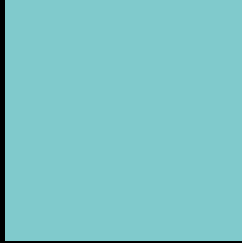
Large Text (above 18pt) WCAG AA × Fail

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 40.9217, 51.1899, 64.8506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

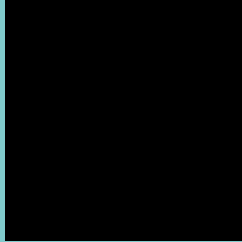
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9217, 51.1899, 64.8506

Background



This preview shows how black text looks on a background with the XYZ color 40.9217, 51.1899, 64.8506.

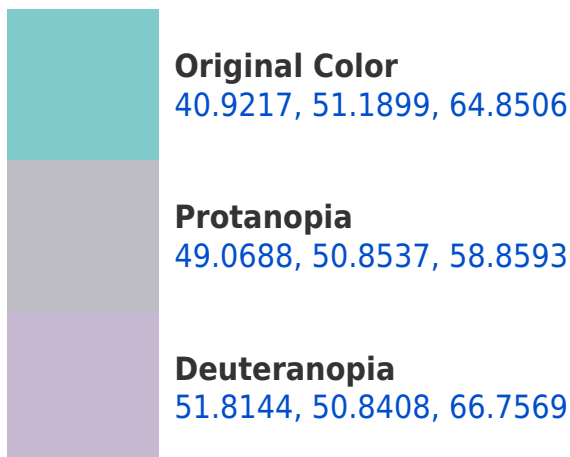


This preview shows how white text looks on a background with the XYZ color 40.9217, 51.1899,

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

42.4090, 51.0917, 72.5922

Trichromacy



Original Color

40.9217, 51.1899, 64.8506

Protanomaly

45.1994, 50.4326, 60.7783

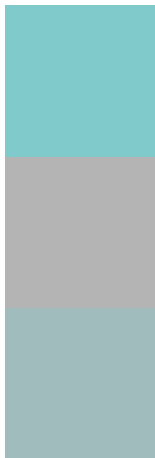
Deuteranomaly

47.1269, 50.6508, 66.3242

Tritanomaly

41.9762, 51.2726, 69.9716

Monochromacy



Original Color

40.9217, 51.1899, 64.8506

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8665, 47.2176, 55.0514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9217, 51.1899, 64.8506 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(128, 202, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 202, 204)  
}
```

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(128, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.9217, 51.1899, 64.8506 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(128, 202, 204) }
```


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

```
.border{ border-color:rgb(128, 202, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 202, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 202, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 202, 204); box-shadow:4px 4px 4px 4px rgb(128, 202, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9217, 51.1899, 64.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 204) }
```

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

```
.background{ background-color: rgb(128,  
202, 204) }
```

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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