

Converting Colors

XYZ(40.6834, 51.7597, 61.6720)

Have a look what the booklet for
XYZ(40.6834, 51.7597, 61.6720)
contains.

XYZ(40.8038, 51.8984, 61.8996)	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(40.8038, 51.8984,
61.8996)**

Conversions

Conversions Part 1

Format	Color
Hex	80CCC7
RGB	128, 204, 199
RGB Percent	50%, 80%, 78%
CMY	0.4980, 0.2000, 0.2196
CMYK	0.37, 0.00, 0.02, 0.20
HSL	176°, 43%, 65%
HSV	176°, 37%, 80%
XYZ	40.8038, 51.8984, 61.8996
YIQ	180.7060, -43.6910, -17.6670

Conversions

Conversions Part 2

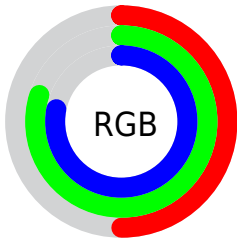
Format	Color
R _Y B	128, 167, 204
Decimal	8441031
CIE Lab	77.22, -24.62, -4.96
CIE LCh	77, 25.117, 191.382
Yxy	51.8984, 0.2639, 0.3357
Android (android.graphics.Color)	4286631111 (0xFF80CCC7)
YUV	180.7060, 9.0189, -46.2232
Hunter-Lab	72.0405, -24.9685, -0.5155

Details

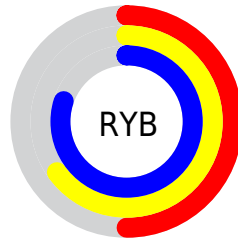
The XYZ color **40.8038, 51.8984, 61.8996** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.8565, 29.9708, 26.0348**, and the grayscale version is **43.7333, 46.0108, 50.1058**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **18.7648, 25.2735, 30.6773** is the 20% darker color. If you saturate the color by 10%, you get **37.8836, 50.4122, 60.9538**, and if you desaturate by 10%, it is **44.3453, 53.7073, 62.8840**.

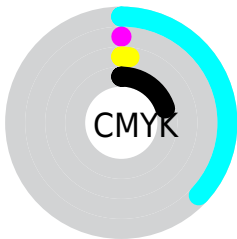
Distribution



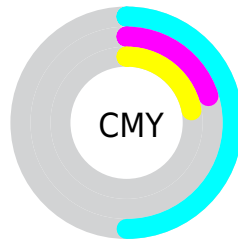
- Red (50%)
- Green (80%)
- Blue (78%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (50%)
- Magenta (20%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8038, 51.8984, 61.8996 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 40.8038, 51.8984, 61.8996 by changing the saturation by 10% instead.

■ 40.8038, 51.8984,
61.8996

■ 40.8038, 51.8984,
61.8996

340.5765,
394.0443, 449.5623

■ 28.3528, 36.9241,
44.5163

■ 75.6626, 92.9814,
109.1506

■ 18.7336, 25.1487,
30.7364

■ 98.8010, 119.8589,
139.8554

■ 11.5808, 16.1879,
20.1415

■ 126.2327,
151.4728, 175.8378

■ 6.5291, 9.6572,
12.3128

158.3229,
188.2077, 217.5163

■ 3.2131, 5.1723,
6.8320

195.4371,
230.4479, 265.3094

■ 1.2674, 2.3487,
3.2804

237.9405,

■ 0.1586, 0.7993,

278.5778, 319.6358

1.2395

286.1985,
332.9818, 380.9139

■ 0.0000, 0.0000,
0.0114

■ 0.0000, 0.0000,
0.0000

■ 40.8038, 51.8984,
61.8996

■ 40.8038, 51.8984,
61.8996

■ 37.8836, 50.4122,
60.9538

■ 44.3453, 53.7073,
62.8840

■ 35.5430, 49.2233,
60.0411

■ 48.5376, 55.8502,
63.9048

■ 33.7422, 48.3126,
59.1608

■ 53.4138, 58.3456,
64.9650

■ 32.4348, 47.6561,
58.3107

■ 59.0035, 61.2087,
66.0657

■ 31.5661, 47.2256,
57.4883

■ 65.3346, 64.4537,
67.2084

■ 31.0618, 46.9827,
56.6901

■ 72.4332, 68.0943,
68.3943

■ 30.9511, 46.9304,
56.4734

■ 74.2682, 69.0212,
69.3411

■ 74.4345, 69.0877,
70.2171

■ 74.6023, 69.1548,
71.1006

Harmonies

Analogous

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



41.0707, 51.8984, 48.4656



40.8038, 51.8984, 61.8996



42.7076, 51.8984, 75.8935

Triad

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



40.8038, 51.8984, 61.8996



55.6992, 51.8984, 78.8081



52.3405, 51.8984, 34.9371

Complementary

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



40.8038, 51.8984, 61.8996



36.8565, 29.9708, 26.0348

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.



56.5992, 51.8984, 40.7421



40.8038, 51.8984, 61.8996



58.6237, 51.8984, 65.3955

Square

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



40.8038, 51.8984, 61.8996



51.1760, 51.8984, 86.6618



58.9634, 51.8984, 51.4399



47.5248, 51.8984, 34.3128

Rectangle

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



40.8038, 51.8984, 61.8996



45.0286, 51.8984, 83.1005



58.9634, 51.8984, 51.4399



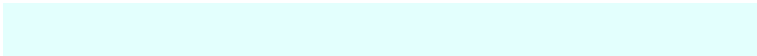
53.8925, 51.8984, 36.2971

Sweetspot

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



40.8053, 51.9005, 61.9008



85.1769, 94.9444, 106.8938



35.1742, 49.7383, 28.1700



17.9926, 20.1998, 22.8280



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.



40.8053, 51.9005, 61.9008



63.4751, 83.8603, 101.1993



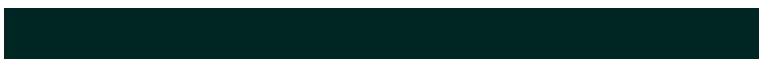
34.3783, 38.1017, 62.6714



11.5102, 12.7138, 14.2439



19.4938, 29.5428, 35.6152



1.0155, 1.5280, 1.8891

Inverse Universe

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



36.8565, 29.9708, 26.0348



55.9843, 42.2212, 33.1339



41.5332, 39.8642, 25.9289



11.2418, 11.2254, 11.8078



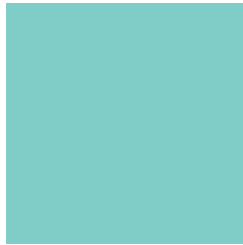
15.7334, 8.1039, 1.0488



0.8224, 0.4224, 0.1105

Previews

White Background



This preview shows how the XYZ color 40.8038, 51.8984, 61.8996 looks on a white background.

Color Contrast Check

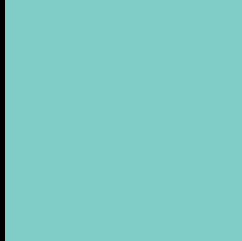
Large Text (above 18pt) WCAG AA × Fail

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 40.8038, 51.8984, 61.8996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

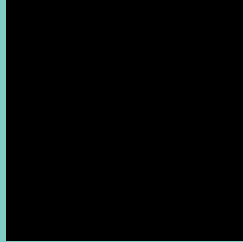
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8038, 51.8984, 61.8996

Background



This preview shows how black text looks on a background with the XYZ color 40.8038, 51.8984, 61.8996.

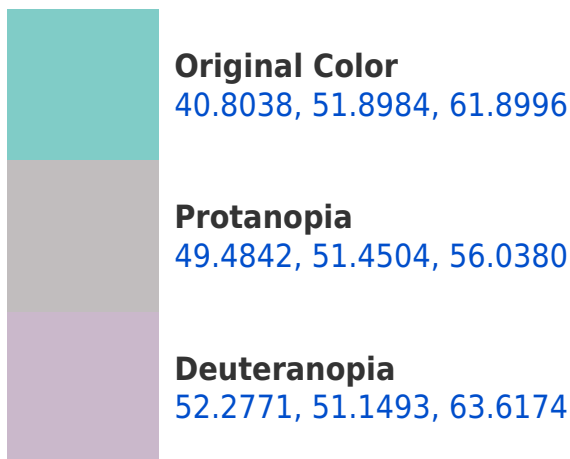


This preview shows how white text looks on a background with the XYZ color 40.8038, 51.8984,

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

43.0839, 51.7696, 73.3674

Trichromacy



Original Color

40.8038, 51.8984, 61.8996

Protanomaly

45.2796, 50.8688, 57.8843

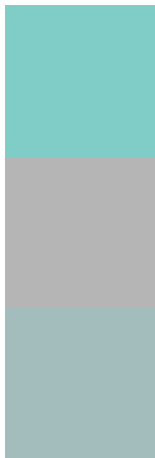
Deuteranomaly

46.9707, 50.6398, 63.1760

Tritanomaly

42.1135, 51.7195, 68.7360

Monochromacy



Original Color

40.8038, 51.8984, 61.8996

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.1750, 47.7074, 54.5625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8038, 51.8984, 61.8996 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, 204, 199)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 199)  
}
```

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, 204, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.8038, 51.8984, 61.8996 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, 204, 199) }
```


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

```
.border{ border-color:rgb(128, 204, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 204, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 199);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8038, 51.8984, 61.8996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 199) }
```

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

```
.background{ background-color: rgb(128,  
204, 199) }
```

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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