

Converting Colors

XYZ(40.8129, 53.3047, 63.5160)

Have a look what the booklet for
XYZ(40.8129, 53.3047, 63.5160)
contains.

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Color

**XYZ(40.8442, 53.3219,
63.3978)**

Conversions

Conversions Part 1

Format	Color
Hex	78D0C9
RGB	120, 208, 201
RGB Percent	47%, 82%, 79%
CMY	0.5294, 0.1843, 0.2118
CMYK	0.42, 0.00, 0.03, 0.18
HSL	175°, 48%, 64%
HSV	175°, 42%, 82%
XYZ	40.8442, 53.3219, 63.3978
YIQ	180.8900, -50.2010, -20.8330

Conversions

Conversions Part 2

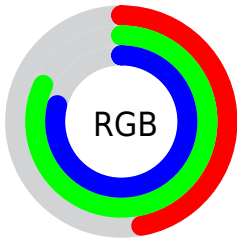
Format	Color
RYB	120, 166, 208
Decimal	7917769
CIELab	78.06, -28.14, -4.83
CIELCh	78, 28.550, 189.733
Yxy	53.3219, 0.2592, 0.3384
Android (android.graphics.Color)	4286107849 (0xFF78D0C9)
YUV	180.8900, 9.9142, -53.4005
Hunter-Lab	73.0218, -27.9456, -0.3605

Details

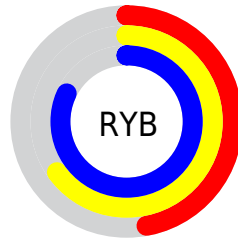
The XYZ color **40.8442, 53.3219, 63.3978** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.5615, 28.3766, 23.6308**, and the grayscale version is **43.8304, 46.1130, 50.2170**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **18.7076, 25.9458, 31.6258** is the 20% darker color. If you saturate the color by 10%, you get **38.0737, 51.9173, 62.2583**, and if you desaturate by 10%, it is **44.2465, 55.0545, 64.5801**.

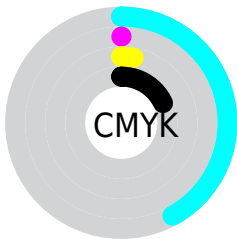
Distribution



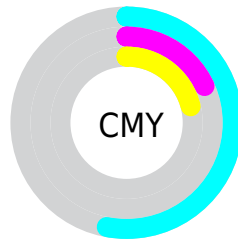
- Red (47%)
- Green (82%)
- Blue (79%)



- Red (47%)
- Yellow (65%)
- Blue (82%)



- Cyan (42%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)



- Cyan (53%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8442, 53.3219, 63.3978 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 40.8442, 53.3219, 63.3978 by changing the saturation by 10% instead.

40.8442, 53.3219,
63.3978

40.8442, 53.3219,
63.3978

340.7428,
399.5189, 455.1594

28.3845, 38.0598,
45.7200

75.7235, 95.0779,
111.3343

18.7576, 26.0291,
31.6779

98.8739, 122.3405,
142.4302

11.5982, 16.8454,
20.8528

126.3185,
154.3722, 178.8358

6.5410, 10.1243,
12.8263

158.4227,
191.5572, 220.9697

3.2205, 5.4815,
7.1797

195.5519,
234.2800, 269.2505

1.2714, 2.5324,
3.4946

238.0714,

0.1617, 0.8928,

282.9249, 324.0967

1.3524

286.3465,
337.8764, 385.9268

■ 0.0000, 0.0000,
0.1042

■ 0.0000, 0.0000,
0.0000

■ 40.8442, 53.3219,
63.3978

■ 40.8442, 53.3219,
63.3978

■ 38.0737, 51.9173,
62.2583

■ 44.2465, 55.0545,
64.5801

■ 35.8892, 50.8133,
61.1560


■ 48.3133, 57.1282,
65.8034


■ 34.2466, 49.9884,
60.0899


■ 53.0804, 59.5626,
67.0705


■ 33.0931, 49.4154,
59.0576

■ 58.5799, 62.3743,
68.3829


 32.3656, 49.0618,
58.0560


 64.8418, 65.5789,
69.7420

 32.0107, 48.8951,
57.3024

 71.8945, 69.1908,
71.1493

 75.7547, 71.1567,
72.4183

 75.9654, 71.2410,
73.5278

 76.1782, 71.3261,
74.6485

Harmonies

Analogous

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



41.2864, 53.3219, 48.0719



40.8442, 53.3219, 63.3978



42.8853, 53.3219, 79.9458

Triad

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



40.8442, 53.3219, 63.3978



57.8370, 53.3219, 84.9746



54.4806, 53.3219, 33.7837

Complementary

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



40.8442, 53.3219, 63.3978



36.5615, 28.3766, 23.6308

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.



59.3681, 53.3219, 40.5820



40.8442, 53.3219, 63.3978



61.4022, 53.3219, 69.3404

Square

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



40.8442, 53.3219, 63.3978



52.5124, 53.3219, 93.8254



61.9822, 53.3219, 53.0277



48.8924, 53.3219, 32.7783

Rectangle

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



40.8442, 53.3219, 63.3978



45.4739, 53.3219, 88.7709



61.9822, 53.3219, 53.0277



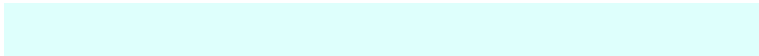
56.2709, 53.3219, 35.3988

Sweetspot

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



40.8458, 53.3240, 63.3990



83.4664, 94.0772, 106.1563



34.7498, 51.0076, 25.7843



17.4875, 19.9434, 22.6248



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.



40.8458, 53.3240, 63.3990



60.6385, 82.4475, 98.8258



33.7584, 37.8008, 65.1940



12.1161, 13.3902, 14.9677



19.9668, 30.4796, 35.8008



1.1287, 1.7092, 2.0666

Inverse Universe

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



36.5615, 28.3766, 23.6308



52.9615, 37.6723, 27.5120



41.4051, 38.7690, 23.0712



11.8464, 11.8233, 12.4668



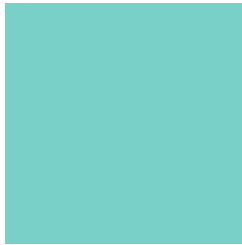
16.2876, 8.3879, 1.1547



0.9243, 0.4744, 0.1361

Previews

White Background



This preview shows how the XYZ color 40.8442, 53.3219, 63.3978 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 40.8442, 53.3219, 63.3978 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 40.8442, 53.3219, 63.3978

Background



This preview shows how black text looks on a background with the XYZ color 40.8442, 53.3219, 63.3978.

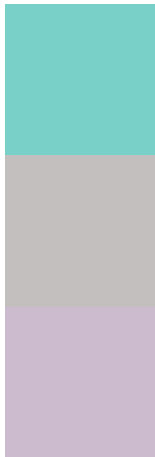


This preview shows how white text looks on a background with the XYZ color 40.8442, 53.3219,

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

40.8442, 53.3219, 63.3978

Protanopia

50.5404, 52.6253, 56.7841

Deuteranopia

53.6013, 52.4114, 65.6838



Tritanopia

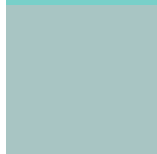
43.4867, 53.3187, 76.4062

Trichromacy



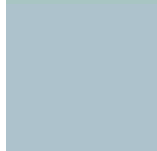
Original Color

40.8442, 53.3219, 63.3978



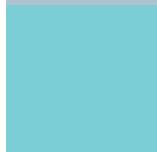
Protanomaly

45.9650, 52.1975, 59.2823



Deuteranomaly

47.4245, 51.8274, 64.6309



Tritanomaly

42.5211, 53.2827, 71.6618

Monochromacy



Original Color

40.8442, 53.3219, 63.3978



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.0060, 48.2634, 54.6788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8442, 53.3219, 63.3978 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(120, 208, 201)` looks like.

```
.text, #text, p{  
    color:rgb(120, 208, 201)  
}
```

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(120, 208, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 208, 201) }
```

Border

The CSS property to change the border of an element to XYZ 40.8442, 53.3219, 63.3978 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(120, 208, 201) }
```


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

```
.border{ border-color:rgb(120, 208, 201) }
```

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

Here you see how a box with a 4 pixel rgb(120, 208, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 208, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 208, 201);  
box-shadow:4px 4px 4px 4px rgb(120, 208,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8442, 53.3219, 63.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 208, 201) }
```

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

```
.background{ background-color: rgb(120,  
208, 201) }
```

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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