

Converting Colors

XYZ(40.2392, 51.5404, 64.9551)

Have a look what the booklet for
XYZ(40.2392, 51.5404, 64.9551)
contains.

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Color

**XYZ(40.2377, 51.5384,
64.9539)**

Conversions

Conversions Part 1

Format	Color
Hex	78CCCC
RGB	120, 204, 204
RGB Percent	47%, 80%, 80%
CMY	0.5294, 0.2000, 0.2000
CMYK	0.41, 0.00, 0.00, 0.20
HSL	180°, 45%, 64%
HSV	180°, 41%, 80%
XYZ	40.2377, 51.5384, 64.9539
YIQ	178.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

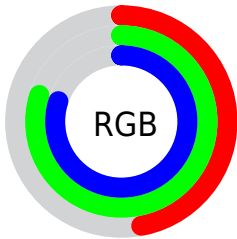
Format	Color
RYB	120, 162, 204
Decimal	7916748
CIELab	77.00, -25.44, -8.01
CIELCh	77, 26.675, 197.476
Yxy	51.5384, 0.2567, 0.3288
Android (android.graphics.Color)	4286106828 (0xFF78CCCC)
YUV	178.8840, 12.3822, -51.6413
Hunter-Lab	71.7903, -25.5855, -3.3908

Details

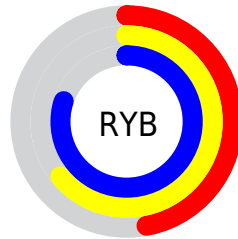
The XYZ color **40.2377, 51.5384, 64.9539** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.0103, 27.6280, 21.2587**, and the grayscale version is **42.7425, 44.9685, 48.9707**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **18.4613, 25.0715, 32.7204** is the 20% darker color. If you saturate the color by 10%, you get **37.7047, 50.2338, 64.8362**, and if you desaturate by 10%, it is **43.3765, 53.1577, 65.1022**.

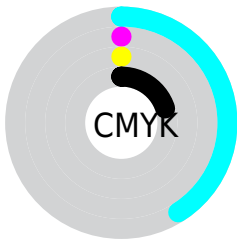
Distribution



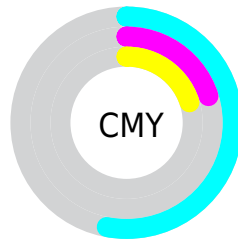
- Red (47%)
- Green (80%)
- Blue (80%)



- Red (47%)
- Yellow (64%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2377, 51.5384, 64.9539 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 40.2377, 51.5384, 64.9539 by changing the saturation by 10% instead.

■ 40.2377, 51.5384,
64.9539

■ 40.2377, 51.5384,
64.9539

338.2417,
392.6520, 460.9280

■ 27.9090, 36.6373,
46.9726

■ 74.8074, 92.4501,
113.5962

■ 18.3971, 24.9268,
32.6598

■ 97.7790, 119.2295,
145.0943

■ 11.3369, 16.0225,
21.5970

■ 125.0290,
150.7371, 181.9351

■ 6.3629, 9.5401,
13.3656

156.9227,
187.3573, 224.5371

■ 3.1097, 5.0951,
7.5471

193.8255,
229.4745, 273.3188

■ 1.2120, 2.3032,
3.7230

236.1027,

■ 0.1158, 0.7754,

277.4731, 328.6988

1.4746

284.1196,
331.7374, 391.0957

■ 0.0000, 0.0000,
0.1989

■ 0.0000, 0.0000,
0.0000

■ 40.2377, 51.5384,
64.9539

■ 40.2377, 51.5384,
64.9539

■ 37.7047, 50.2338,
64.8362

■ 43.3765, 53.1577,
65.1022

■ 35.7342, 49.2180,
64.7437


■ 47.1517, 55.1039,
65.2792


■ 34.2847, 48.4708,
64.6755


■ 51.5973, 57.3957,
65.4876


■ 33.3070, 47.9667,
64.6295


■ 56.7437, 60.0487,
65.7287


 32.7421, 47.6756,
64.6027


 62.6192, 63.0777,
66.0040

 32.4926, 47.5469,
64.5908

 69.2508, 66.4964,
66.3146

 73.7333, 68.8072,
66.5247

 73.7334, 68.8072,
66.5250

 73.7335, 68.8073,
66.5253

Harmonies

Analogous

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



40.0462, 51.5384, 50.2598



40.2377, 51.5384, 64.9539



42.6690, 51.5384, 79.3906

Triad

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



40.2377, 51.5384, 64.9539



56.5518, 51.5384, 77.2540



51.1370, 51.5384, 32.9766

Complementary

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



40.2377, 51.5384, 64.9539



35.0103, 27.6280, 21.2587

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.



55.8970, 51.5384, 37.9036



40.2377, 51.5384, 64.9539



59.1654, 51.5384, 62.4115

Square

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



40.2377, 51.5384, 64.9539



51.9814, 51.5384, 87.2928



58.9178, 51.5384, 48.1195



46.1074, 51.5384, 33.4179

Rectangle

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



40.2377, 51.5384, 64.9539



45.3343, 51.5384, 86.1650



58.9178, 51.5384, 48.1195



52.8280, 51.5384, 34.0187

Sweetspot

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



40.2392, 51.5404, 64.9551



84.6745, 94.6512, 108.4138



32.9260, 48.6377, 25.4232



17.9045, 20.1462, 23.1947



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.



40.2392, 51.5404, 64.9551



63.0231, 83.4896, 107.3987



31.8148, 34.6912, 62.1481



11.5433, 12.7271, 14.4185



20.4505, 29.9255, 40.6527



1.0550, 1.5438, 2.0972

Inverse Universe

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



35.0103, 27.6280, 21.2587



53.2621, 38.8517, 25.8296



40.9689, 39.5455, 23.2443



11.2124, 11.2137, 11.6530



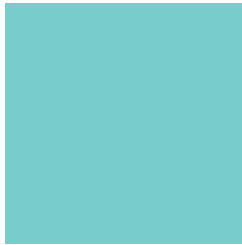
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 40.2377, 51.5384, 64.9539 looks on a white background.

Color Contrast Check

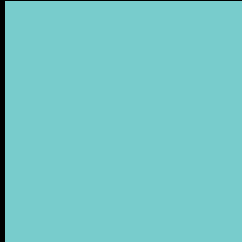
Large Text (above 18pt) WCAG AA × Fail

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 40.2377, 51.5384, 64.9539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

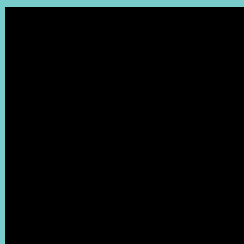
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

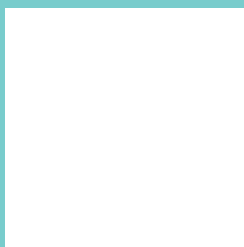
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2377, 51.5384, 64.9539

Background



This preview shows how black text looks on a background with the XYZ color 40.2377, 51.5384, 64.9539.

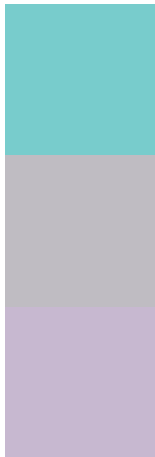


This preview shows how white text looks on a background with the XYZ color 40.2377, 51.5384,

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

40.2377, 51.5384, 64.9539

Protanopia

49.2067, 50.9378, 58.2775

Deuteranopia

52.0788, 50.9772, 66.7692



Tritanopia

42.0876, 51.5881, 74.0689

Trichromacy



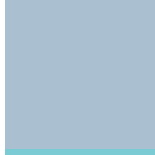
Original Color

40.2377, 51.5384, 64.9539



Protanomaly

45.0019, 50.6601, 60.8326



Deuteranomaly

46.4709, 50.3126, 66.2935



Tritanomaly

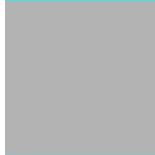
41.5346, 51.7269, 70.7460

Monochromacy



Original Color

40.2377, 51.5384, 64.9539



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

41.1609, 46.8664, 54.4537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2377, 51.5384, 64.9539 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, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 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(120, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.2377, 51.5384, 64.9539 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, 204, 204) }
```


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

```
.border{ border-color:rgb(120, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2377, 51.5384, 64.9539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 204) }
```

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

```
.background{ background-color: rgb(120,  
204, 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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