

Converting Colors

XYZ(40.0534, 51.4705, 63.7224)

Have a look what the booklet for
XYZ(40.0534, 51.4705, 63.7224)
contains.

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Color

**XYZ(39.9993, 51.4431,
63.6984)**

Conversions

Conversions Part 1

Format	Color
Hex	78CCCA
RGB	120, 204, 202
RGB Percent	47%, 80%, 79%
CMY	0.5294, 0.2000, 0.2078
CMYK	0.41, 0.00, 0.01, 0.20
HSL	179°, 45%, 64%
HSV	179°, 41%, 80%
XYZ	39.9993, 51.4431, 63.6984
YIQ	178.6560, -49.4220, -18.4300

Conversions

Conversions Part 2

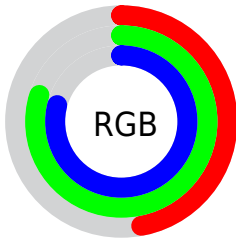
Format	Color
RYB	120, 163, 204
Decimal	7916746
CIELab	76.95, -25.94, -7.02
CIELCh	77, 26.872, 195.138
Yxy	51.4431, 0.2578, 0.3316
Android (android.graphics.Color)	4286106826 (0xFF78CCCA)
YUV	178.6560, 11.5086, -51.4413
Hunter-Lab	71.7238, -25.9700, -2.4491

Details

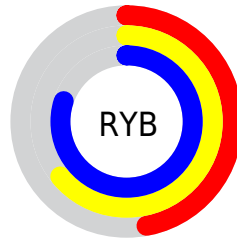
The XYZ color **39.9993, 51.4431, 63.6984** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1330, 27.6770, 21.9048**, and the grayscale version is **42.6256, 44.8454, 48.8367**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **18.3015, 25.0076, 31.8793** is the 20% darker color. If you saturate the color by 10%, you get **37.4088, 50.1155, 63.2782**, and if you desaturate by 10%, it is **43.1957, 53.0855, 64.1502**.

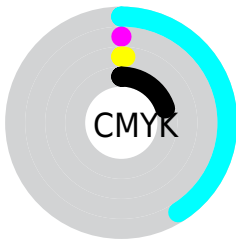
Distribution



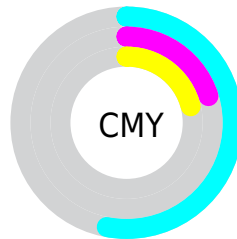
- Red (47%)
- Green (80%)
- Blue (79%)



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



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9993, 51.4431, 63.6984 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 39.9993, 51.4431, 63.6984 by changing the saturation by 10% instead.

 39.9993, 51.4431,
63.6984


 39.9993, 51.4431,
63.6984


337.2551,
392.2829, 456.2772


 27.7222, 36.5614,
45.9618


 74.4468, 92.3094,
111.7718

 18.2557, 24.8681,
31.8672


 97.3479, 119.0628,
142.9456

 11.2346, 15.9788,
20.9961


 124.5211,
150.5422, 179.4356

 6.2933, 9.5091,
12.9300

156.3316,
187.1319, 221.6604

 3.0666, 5.0747,
7.2502

193.1450,
229.2165, 270.0384

 1.1891, 2.2912,
3.5382

235.3264,

 0.0977, 0.7690,

277.1802, 324.9881

1.3756

283.2413,
331.4076, 386.9282

■ 0.0000, 0.0000,
0.1226

■ 0.0000, 0.0000,
0.0000

■ 39.9993, 51.4431,
63.6984

■ 39.9993, 51.4431,
63.6984

■ 37.4088, 50.1155,
63.2782

■ 43.1957, 53.0855,
64.1502

■ 35.3811, 49.0768,
62.8841


■ 47.0287, 55.0548,
64.6316

■ 33.8746, 48.3068,
62.5154


■ 51.5323, 57.3698,
65.1453


■ 32.8399, 47.7800,
62.1697


■ 56.7368, 60.0461,
65.6928


 32.2183, 47.4661,
61.8443


 62.6707, 63.0984,
66.2753

 31.9189, 47.3175,
61.5695

 69.3609, 66.5405,
66.8942

 73.9022, 68.8748,
67.4135

 73.9611, 68.8984,
67.7240

 74.0203, 68.9221,
68.0354

Harmonies

Analogous

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



39.9885, 51.4431, 49.0919



39.9993, 51.4431, 63.6984



42.2780, 51.4431, 78.4536

Triad

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



39.9993, 51.4431, 63.6984



56.2059, 51.4431, 78.3333



51.4623, 51.4431, 32.9532

Complementary

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



39.9993, 51.4431, 63.6984



35.1330, 27.6770, 21.9048

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.



56.1690, 51.4431, 38.3198



39.9993, 51.4431, 63.6984



59.0348, 51.4431, 63.5554

Square

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



39.9993, 51.4431, 63.6984



51.5098, 51.4431, 87.8533



59.0208, 51.4431, 48.9717



46.3704, 51.4431, 32.9780

Rectangle

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



39.9993, 51.4431, 63.6984



44.8741, 51.4431, 85.6665



59.0208, 51.4431, 48.9717



53.1494, 51.4431, 34.1388

Sweetspot

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



40.0008, 51.4451, 63.6996



84.5574, 94.6044, 107.7971



33.1245, 48.7401, 25.4325



17.8767, 20.1351, 23.0484



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.



40.0008, 51.4451, 63.6996



62.5477, 83.2994, 104.8952



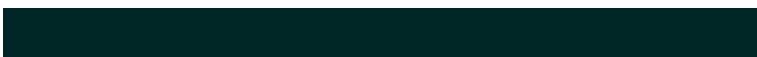
32.0655, 35.1927, 62.2318



11.5313, 12.7223, 14.3551



20.0946, 29.7831, 38.7785



1.0404, 1.5380, 2.0203

Inverse Universe

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



35.1330, 27.6770, 21.9048



53.4649, 38.9328, 26.8974



40.7264, 39.0604, 23.1634



11.2230, 11.2179, 11.7089



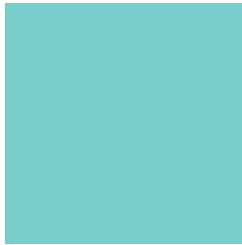
15.6952, 8.0887, 0.8475



0.8136, 0.4188, 0.0641

Previews

White Background



This preview shows how the XYZ color 39.9993, 51.4431, 63.6984 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 39.9993, 51.4431, 63.6984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

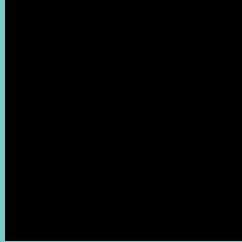
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9993, 51.4431, 63.6984

Background



This preview shows how black text looks on a background with the XYZ color 39.9993, 51.4431, 63.6984.

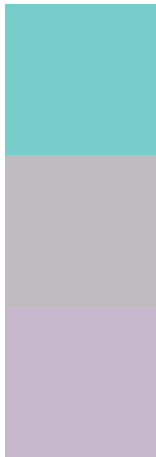


This preview shows how white text looks on a background with the XYZ color 39.9993, 51.4431,

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

39.9993, 51.4431, 63.6984

Protanopia

48.9835, 50.8486, 57.1022

Deuteranopia

51.8343, 50.8793, 65.4813



Tritanopia

42.0876, 51.5881, 74.0689

Trichromacy



Original Color

39.9993, 51.4431, 63.6984

Protanomaly

44.7726, 50.5684, 59.6255

Deuteranomaly

46.2278, 50.2154, 65.0137

Tritanomaly

41.4080, 51.6763, 70.0794

Monochromacy



Original Color

39.9993, 51.4431, 63.6984

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.0534, 46.8234, 53.8878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9993, 51.4431, 63.6984 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 202) }
```

Border

The CSS property to change the border of an element to XYZ 39.9993, 51.4431, 63.6984 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, 202) }
```


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

```
.border{ border-color:rgb(120, 204, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 202);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9993, 51.4431, 63.6984 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, 202) }
```

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

```
.background{ background-color: rgb(120,  
204, 202) }
```

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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