

Converting Colors

XYZ(40.0134, 50.0725, 63.8258)

Have a look what the booklet for
XYZ(40.0134, 50.0725, 63.8258)
contains.

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Color

**XYZ(40.0380, 50.0560,
64.0515)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC8CB
RGB	126, 200, 203
RGB Percent	49%, 78%, 80%
CMY	0.5059, 0.2157, 0.2039
CMYK	0.38, 0.01, 0.00, 0.20
HSL	182°, 43%, 65%
HSV	182°, 38%, 80%
XYZ	40.0380, 50.0560, 64.0515
YIQ	178.2160, -45.0670, -14.7550

Conversions

Conversions Part 2

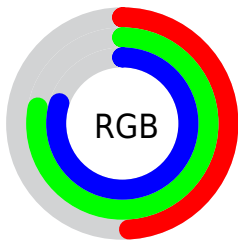
Format	Color
RYB	126, 164, 203
Decimal	8308939
CIELab	76.10, -22.19, -8.78
CIELCh	76, 23.859, 201.591
Yxy	50.0560, 0.2597, 0.3247
Android (android.graphics.Color)	4286499019 (0xFF7EC8CB)
YUV	178.2160, 12.2185, -45.7934
Hunter-Lab	70.7503, -22.7987, -4.1511

Details

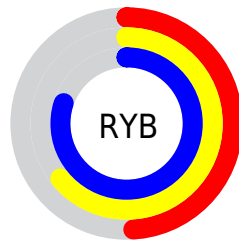
The XYZ color **40.0380, 50.0560, 64.0515** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2456, 29.9041, 23.6016**, and the grayscale version is **42.3869, 44.5944, 48.5633**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **18.3022, 24.0673, 32.1146** is the 20% darker color. If you saturate the color by 10%, you get **37.1609, 48.3029, 63.8656**, and if you desaturate by 10%, it is **43.5264, 52.1280, 64.2684**.

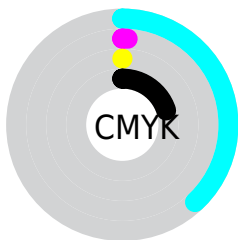
Distribution



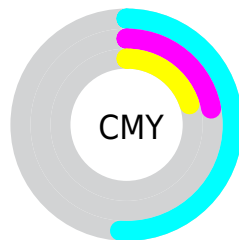
- Red (49%)
- Green (78%)
- Blue (80%)



- Red (49%)
- Yellow (64%)
- Blue (80%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (51%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0380, 50.0560, 64.0515 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 40.0380, 50.0560, 64.0515 by changing the saturation by 10% instead.

■ 40.0380, 50.0560,
64.0515

■ 40.0380, 50.0560,
64.0515

337.4154,
386.8849, 457.5882

■ 27.7525, 35.4579,
46.2459

■ 74.5053, 90.2578,
112.2853

■ 18.2787, 24.0158,
32.0899

■ 97.4179, 116.6304,
143.5506

■ 11.2512, 15.3453,
21.1648

■ 124.6036,
147.6965, 180.1395

■ 6.3046, 9.0621,
13.0521

156.4276,
183.8406, 222.4707

■ 3.0736, 4.7817,
7.3333

193.2555,
225.4471, 270.9626

■ 1.1928, 2.1198,
3.5898

235.4525,

■ 0.1007, 0.6757,

272.9004, 326.0338

1.4031

283.3840,
326.5849, 388.1028

■ 0.0000, 0.0000,
0.1441

■ 0.0000, 0.0000,
0.0000

■ 40.0380, 50.0560,
64.0515

■ 40.0380, 50.0560,
64.0515

■ 37.1609, 48.3029,
63.8656

■ 43.5264, 52.1280,
64.2684

■ 34.8536, 46.8438,
63.7056

■ 47.6556, 54.5305,
64.5145

■ 33.0766, 45.6596,
63.5707

■ 52.4583, 57.2817,
64.7924

■ 31.7836, 44.7261,
63.4586

■ 57.9638, 60.3966,
65.1035

■ 30.9200, 44.0155,
63.3670

■ 64.1998, 63.8894,
65.4490

■ 30.4060, 43.4864,
63.2920

■ 71.1923, 67.7737,
65.8302

■ 30.3167, 43.3859,
63.2773

■ 73.9795, 69.4915,
66.0149

■ 74.1697, 69.8719,
66.0783

■ 74.3608, 70.2542,
66.1420

Harmonies

Analogous

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



39.5854, 50.0560, 50.9882



40.0380, 50.0560, 64.0515



42.4439, 50.0560, 76.1083

Triad

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



40.0380, 50.0560, 64.0515



54.6199, 50.0560, 71.2342



48.8422, 50.0560, 33.6330

Complementary

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



40.0380, 50.0560, 64.0515



36.2456, 29.9041, 23.6016

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.



53.1075, 50.0560, 37.4295



40.0380, 50.0560, 64.0515



56.5770, 50.0560, 58.1747

Square

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



40.0380, 50.0560, 64.0515



50.8036, 50.0560, 80.6855



56.0069, 50.0560, 45.9531



44.4895, 50.0560, 34.7021

Rectangle

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



40.0380, 50.0560, 64.0515



44.9189, 50.0560, 81.2930



56.0069, 50.0560, 45.9531



50.3374, 50.0560, 34.3579

Sweetspot

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



40.0395, 50.0580, 64.0527



85.1254, 94.3679, 108.3360



33.8949, 48.7220, 28.2373



17.9802, 20.0612, 23.1745



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.



40.0395, 50.0580, 64.0527



62.8020, 81.2384, 106.9783



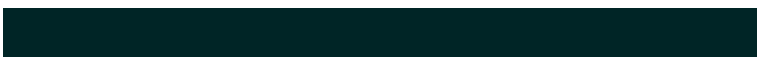
32.2934, 34.5659, 61.4706



11.5044, 12.6492, 14.4056



19.3092, 27.6424, 40.2741



1.0080, 1.4499, 2.0817

Inverse Universe

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



42.5161, 31.7896, 58.5409



67.6088, 46.2803, 96.1685



42.2265, 41.8659, 25.5952



11.6680, 11.3959, 14.0520



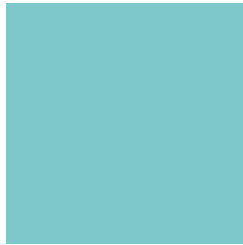
21.9573, 10.5935, 33.8235



1.1388, 0.5489, 1.7766

Previews

White Background



This preview shows how the XYZ color 40.0380, 50.0560, 64.0515 looks on a white background.

Color Contrast Check

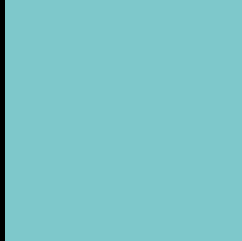
Large Text (above 18pt) WCAG AA × Fail

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 40.0380, 50.0560, 64.0515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

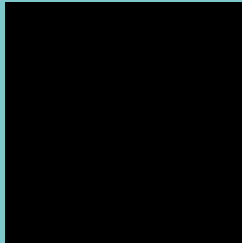
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0380, 50.0560, 64.0515

Background



This preview shows how black text looks on a background with the XYZ color 40.0380, 50.0560, 64.0515.



This preview shows how white text looks on a background with the XYZ color 40.0380, 50.0560,

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

40.0380, 50.0560, 64.0515

Protanopia

48.0355, 49.7042, 58.1011

Deuteranopia

50.7554, 49.6967, 65.9488



Tritanopia

41.3849, 49.9103, 71.0708

Trichromacy



Original Color

40.0380, 50.0560, 64.0515

Protanomaly

44.2259, 49.2922, 60.0067

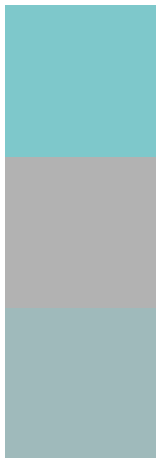
Deuteranomaly

46.1328, 49.5094, 65.5173

Tritanomaly

40.9584, 50.0892, 68.4822

Monochromacy



Original Color

40.0380, 50.0560, 64.0515

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.8266, 46.0766, 53.7556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0380, 50.0560, 64.0515 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(126, 200, 203)` looks like.

```
.text, #text, p{  
    color:rgb(126, 200, 203)  
}
```

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(126, 200, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 200, 203) }
```

Border

The CSS property to change the border of an element to XYZ 40.0380, 50.0560, 64.0515 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(126, 200, 203) }
```


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

```
.border{ border-color:rgb(126, 200, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 200, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 200, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 200, 203);  
box-shadow:4px 4px 4px 4px rgb(126, 200,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0380, 50.0560, 64.0515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 200, 203) }
```

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

```
.background{ background-color: rgb(126,  
200, 203) }
```

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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