

Converting Colors

XYZ(38.7311, 56.3604, 76.5500)

Have a look what the booklet for
XYZ(38.7311, 56.3604, 76.5500)
contains.

XYZ(38.8000, 56.5024, 76.5712)	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(38.8000, 56.5024,
76.5712)**

Conversions

Conversions Part 1

Format	Color
Hex	14DCDC
RGB	20, 220, 220
RGB Percent	8%, 86%, 86%
CMY	0.9214, 0.1372, 0.1372
CMYK	0.91, 0.00, 0.00, 0.14
HSL	180°, 83%, 47%
HSV	180°, 91%, 86%
XYZ	38.8000, 56.5024, 76.5712
YIQ	160.2000, -119.2000, -42.4000

Conversions

Conversions Part 2

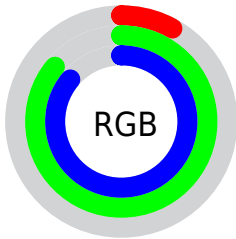
Format	Color
RYB	20, 120, 220
Decimal	1367260
CIELab	79.90, -42.45, -12.51
CIELCh	80, 44.254, 196.423
Yxy	56.5024, 0.2257, 0.3287
Android (android.graphics.Color)	4279557340 (0xFF14DCDC)
YUV	160.2000, 29.4814, -122.9554
Hunter-Lab	75.1681, -39.4066, -7.7791

Details

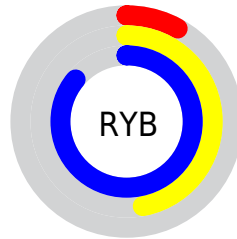
The XYZ color **38.8000, 56.5024, 76.5712** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.8936, 15.7684, 2.1317**, and the grayscale version is **33.4193, 35.1597, 38.2889**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **20.0670, 29.2675, 40.1889** is the 20% darker color. If you saturate the color by 10%, you get **38.5124, 56.3554, 76.5589**, and if you desaturate by 10%, it is **39.4689, 56.8484, 76.6039**.

Distribution



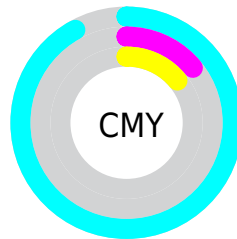
- Red (8%)
- Green (86%)
- Blue (86%)



- Red (8%)
- Yellow (47%)
- Blue (86%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (92%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8000, 56.5024, 76.5712 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 38.8000, 56.5024, 76.5712 by changing the saturation by 10% instead.

38.8000, 56.5024,
76.5712

38.8000, 56.5024,
76.5712

332.2613,
411.5821, 502.6996

26.7842, 40.6059,
56.3915

72.6287, 99.7388,
130.3015

17.5470, 28.0112,
40.1108

95.1723, 127.8474,
164.6892

10.7229, 18.3341,
27.3105

121.9560,
160.7955, 204.6500

5.9468, 11.1901,
17.5721

153.3449,
198.9675, 250.6025

2.8531, 6.1949,
10.4770

189.7046,
242.7477, 302.9651

1.0766, 2.9639,
5.6066

231.4003,

0.0054, 1.1129,

292.5207, 362.1565

2.5425

278.7974,
348.6707, 428.5951

■ 0.0000, 0.0000,
0.8625

■ 0.0000, 0.0000,
0.0000

■ 38.8000, 56.5024,
76.5712

■ 38.8000, 56.5024,
76.5712

■ 38.5124, 56.3554,
76.5589

■ 39.4689, 56.8484,
76.6039

■ 40.6293, 57.4467,
76.6583

■ 42.3538, 58.3357,
76.7392

■ 44.7016, 59.5460,
76.8492

■ 47.7245, 61.1043,
76.9907

■ 51.4688, 63.0346,
77.1661

■ 55.9770, 65.3587,
77.3772

■ 61.2880, 68.0966,
77.6259

■ 67.4381, 71.2671,
77.9138

Harmonies

Analogous

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



38.6217, 56.5024, 50.6386



38.8000, 56.5024, 76.5712



42.6699, 56.5024, 104.6953

Triad

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



38.8000, 56.5024, 76.5712



67.1936, 56.5024, 102.2418



57.8555, 56.5024, 24.9131

Complementary

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



38.8000, 56.5024, 76.5712



29.8936, 15.7684, 2.1317

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.



66.4927, 56.5024, 32.2255



38.8000, 56.5024, 76.5712



72.2756, 56.5024, 73.8616

Square

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



38.8000, 56.5024, 76.5712



58.7295, 56.5024, 122.1096



72.0056, 56.5024, 48.5855



48.9734, 56.5024, 25.2623

Rectangle

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



38.8000, 56.5024, 76.5712



47.0960, 56.5024, 118.8102



72.0056, 56.5024, 48.5855



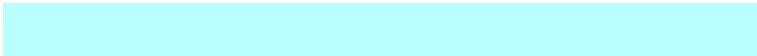
60.9025, 56.5024, 26.4449

Sweetspot

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



38.8017, 56.5045, 76.5726



74.0961, 89.1979, 107.9189



26.0825, 51.4252, 9.2149



15.4201, 18.8654, 23.0785



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.



38.8017, 56.5045, 76.5726



53.8097, 78.7399, 106.9683



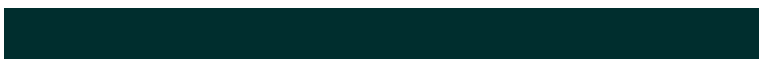
20.3348, 19.5702, 70.4179



13.4449, 14.8296, 16.8059



22.6019, 33.0734, 44.9303



1.4643, 2.1427, 2.9108

Inverse Universe

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



29.8936, 15.7684, 2.1317



41.2400, 21.2600, 1.9301



35.9677, 27.9166, 4.1563



13.0561, 13.0515, 13.5567



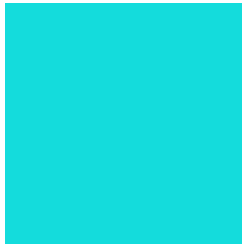
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 38.8000, 56.5024, 76.5712 looks on a white background.

Color Contrast Check

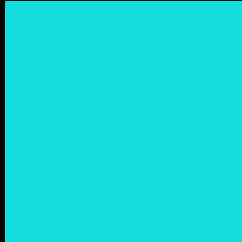
Large Text (above 18pt) WCAG AA × Fail

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 38.8000, 56.5024, 76.5712 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

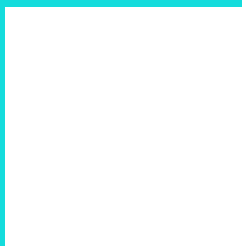
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8000, 56.5024, 76.5712

Background



This preview shows how black text looks on a background with the XYZ color 38.8000, 56.5024, 76.5712.



This preview shows how white text looks on a background with the XYZ color 38.8000, 56.5024,

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

38.8000, 56.5024, 76.5712

Protanopia

53.5605, 55.3083, 65.6102

Deuteranopia

56.6645, 55.6078, 79.6983



Tritanopia

41.1055, 56.6764, 87.3704

Trichromacy



Original Color

38.8000, 56.5024, 76.5712



Protanomaly

42.8986, 52.8254, 68.9081



Deuteranomaly

44.5667, 52.7738, 78.3584



Tritanomaly

40.3076, 56.7335, 83.6891

Monochromacy



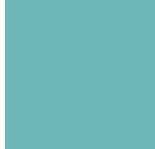
Original Color

38.8000, 56.5024, 76.5712



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.4781, 40.0845, 50.3340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8000, 56.5024, 76.5712 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(20, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(20, 220, 220)  
}
```

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(20, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 220, 220) }
```

Border

The CSS property to change the border of an element to XYZ 38.8000, 56.5024, 76.5712 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(20, 220, 220) }
```


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

```
.border{ border-color:rgb(20, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(20, 220,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8000, 56.5024, 76.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 220, 220) }
```

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

```
.background{ background-color: rgb(20, 220,  
220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor