

Converting Colors

XYZ(40.2029, 55.0942, 71.6056)

Have a look what the booklet for
XYZ(40.2029, 55.0942, 71.6056)
contains.

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Color

**XYZ(40.1766, 55.0211,
71.4534)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 59D6D5 |
| RGB | 89, 214, 213 |
| RGB Percent | 35%, 84%, 84% |
| CMY | 0.6510, 0.1608, 0.1647 |
| CMYK | 0.58, 0.00, 0.00, 0.16 |
| HSL | 180°, 60%, 59% |
| HSV | 180°, 58%, 84% |
| XYZ | 40.1766, 55.0211, 71.4534 |
| YIQ | 176.5110, -74.1790, -26.8110 |

Conversions

Conversions Part 2

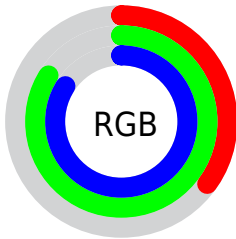
| Format | Color |
|-------------------------------------|---|
| RYB | 89, 152, 214 |
| Decimal | 5887701 |
| CIELab | 79.05, -34.47, -9.92 |
| CIElCh | 79, 35.866, 196.049 |
| Yxy | 55.0211, 0.2411, 0.3302 |
| Android (android.graphics.Color) | 4284077781 (0xFF59D6D5) |
| YUV | 176.5110, 17.9891, -76.7471 |
| Hunter-Lab | 74.1762, -33.1261, -5.1903 |

Details

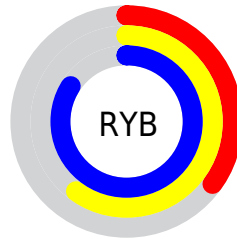
The XYZ color **40.1766, 55.0211, 71.4534** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.1512, 22.1807, 12.2086**, and the grayscale version is **41.4719, 43.6317, 47.5149**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **18.5697, 27.2649, 36.6317** is the 20% darker color. If you saturate the color by 10%, you get **38.3926, 54.1052, 71.2575**, and if you desaturate by 10%, it is **42.5607, 56.2489, 71.6799**.

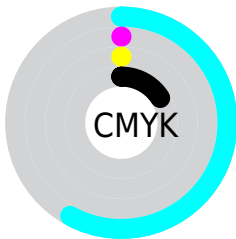
Distribution



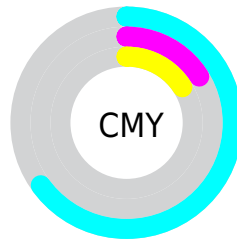
- Red (35%)
- Green (84%)
- Blue (84%)



- Red (35%)
- Yellow (60%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (65%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1766, 55.0211, 71.4534 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 40.1766, 55.0211, 71.4534 by changing the saturation by 10% instead.

40.1766, 55.0211,
71.4534

40.1766, 55.0211,
71.4534

337.9890,
405.9919, 484.5631

27.8611, 39.4186,
52.2282

74.7150, 97.5719,
122.9796

18.3609, 27.0855,
36.8035

97.6686, 125.2889,
156.1176

11.3107, 17.6375,
24.7608

124.8989,
157.8130, 194.7303

6.3450, 10.6900,
15.6815

156.7713,
195.5284, 239.2363

3.0986, 5.8588,
9.1472

193.6512,
238.8197, 290.0540

1.2061, 2.7594,
4.7392

235.9039,

0.1112, 1.0075,

288.0710, 347.6020

2.0390

283.8947,
343.6670, 412.2989

■ 0.0000, 0.0000,
0.5791

■ 0.0000, 0.0000,
0.0000

■ 40.1766, 55.0211,
71.4534

■ 40.1766, 55.0211,
71.4534

■ 38.3926, 54.1052,
71.2575

■ 42.5607, 56.2489,
71.6799

■ 37.1503, 53.4673,
71.0859


■ 45.5870, 57.8065,
71.9354


■ 36.3887, 53.0772,
70.9369


■ 49.2993, 59.7177,
72.2231


■ 36.0136, 52.8863,
70.8060


■ 53.7363, 62.0026,
72.5449


 35.9675, 52.8629,
70.7859

 58.9340, 64.6795,
72.9024

 64.9256, 67.7658,
73.2971

 71.7428, 71.2776,
73.7306

 77.4729, 74.2291,
74.1133

 77.4948, 74.2379,
74.2291

Harmonies

Analogous

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



40.0676, 55.0211, 50.9172



40.1766, 55.0211, 71.4534



43.3314, 55.0211, 92.9210

Triad

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



40.1766, 55.0211, 71.4534



62.8195, 55.0211, 91.5635



55.6774, 55.0211, 29.2699

Complementary

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



40.1766, 55.0211, 71.4534



33.1512, 22.1807, 12.2086

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.



62.4186, 55.0211, 35.8191



40.1766, 55.0211, 71.4534



66.7890, 55.0211, 69.9007

Square

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



40.1766, 55.0211, 71.4534



56.1853, 55.0211, 106.2155



66.6359, 55.0211, 49.6796



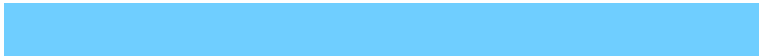
48.5903, 55.0211, 29.5016

Rectangle

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



40.1766, 55.0211, 71.4534



46.9163, 55.0211, 103.5227



66.6359, 55.0211, 49.6796



58.0717, 55.0211, 30.6729

Sweetspot

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



40.1782, 55.0232, 71.4547



80.0736, 92.2862, 107.8902



30.1740, 51.0449, 17.7148



16.6977, 19.5258, 23.0616



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.



40.1782, 55.0232, 71.4547



56.6008, 80.2052, 105.9025



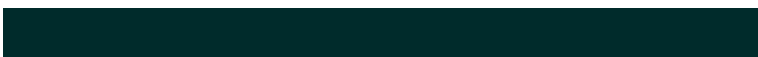
27.7461, 29.9547, 67.9401



12.7877, 14.1061, 15.9626



21.7412, 31.9518, 42.7945



1.3127, 1.9278, 2.5886

Inverse Universe

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



33.1512, 22.1807, 12.2086



45.2317, 27.0471, 10.0314



40.3502, 36.6465, 14.3992



12.4273, 12.4224, 12.9243



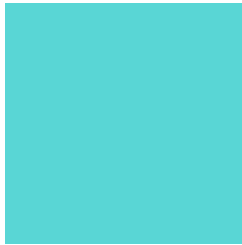
16.7694, 8.6441, 0.8240



1.0129, 0.5220, 0.0573

Previews

White Background



This preview shows how the XYZ color 40.1766, 55.0211, 71.4534 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 40.1766, 55.0211, 71.4534 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

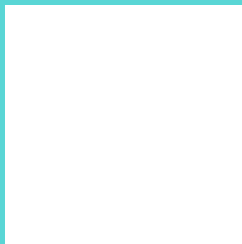
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1766, 55.0211, 71.4534

Background



This preview shows how black text looks on a background with the XYZ color 40.1766, 55.0211, 71.4534.

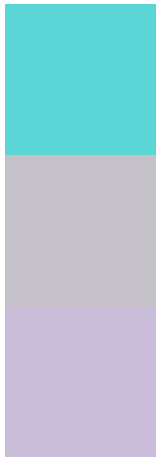


This preview shows how white text looks on a background with the XYZ color 40.1766, 55.0211,

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

40.1766, 55.0211, 71.4534

Protanopia

52.2602, 54.0458, 62.3211

Deuteranopia

55.2096, 54.0137, 73.8455



Tritanopia

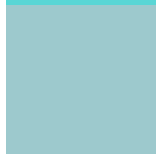
42.5102, 55.2309, 82.5488

Trichromacy



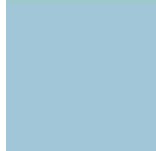
Original Color

40.1766, 55.0211, 71.4534



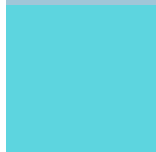
Protanomaly

45.8107, 53.3492, 65.6405



Deuteranomaly

47.2867, 52.9231, 72.6887



Tritanomaly

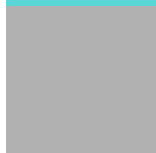
41.6277, 55.2434, 78.2811

Monochromacy



Original Color

40.1766, 55.0211, 71.4534



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.3848, 46.5644, 55.6272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1766, 55.0211, 71.4534 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(89, 214, 213)` looks like.

```
.text, #text, p{  
  color:rgb(89, 214, 213)  
}
```

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(89, 214, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 214, 213) }
```

Border

The CSS property to change the border of an element to XYZ 40.1766, 55.0211, 71.4534 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(89, 214, 213) }
```


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

```
.border{ border-color:rgb(89, 214, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 214, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 214, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 214, 213);  
box-shadow:4px 4px 4px 4px rgb(89, 214,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1766, 55.0211, 71.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 214, 213) }
```

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

```
.background{ background-color: rgb(89, 214,  
213) }
```

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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