

Converting Colors

XYZ(40.5718, 55.5645, 66.5781)

Have a look what the booklet for
XYZ(40.5718, 55.5645, 66.5781)
contains.

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Color

**XYZ(40.5754, 55.7180,
66.3737)**

Conversions

Conversions Part 1

Format	Color
Hex	64D7CD
RGB	100, 215, 205
RGB Percent	39%, 84%, 80%
CMY	0.6078, 0.1568, 0.1961
CMYK	0.53, 0.00, 0.05, 0.16
HSL	175°, 59%, 62%
HSV	175°, 53%, 84%
XYZ	40.5754, 55.7180, 66.3737
YIQ	179.4750, -65.3300, -27.4900

Conversions

Conversions Part 2

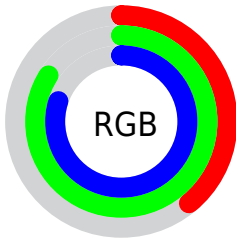
Format	Color
RYB	100, 160, 215
Decimal	6608845
CIELab	79.45, -34.95, -5.01
CIELCh	79, 35.310, 188.151
Yxy	55.7180, 0.2494, 0.3425
Android (android.graphics.Color)	4284798925 (0xFF64D7CD)
YUV	179.4750, 12.5838, -69.6996
Hunter-Lab	74.6445, -33.5985, -0.4694

Details

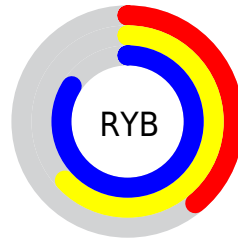
The XYZ color **40.5754, 55.7180, 66.3737** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3978, 24.6888, 17.6535**, and the grayscale version is **43.0626, 45.3052, 49.3373**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **18.6634, 27.6372, 33.6290** is the 20% darker color. If you saturate the color by 10%, you get **38.2799, 54.5619, 65.0961**, and if you desaturate by 10%, it is **43.5043, 57.2030, 67.6975**.

Distribution



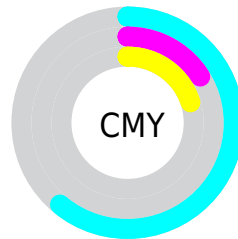
- Red (39%)
- Green (84%)
- Blue (80%)



- Red (39%)
- Yellow (63%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)



- Cyan (61%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5754, 55.7180, 66.3737 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 40.5754, 55.7180, 66.3737 by changing the saturation by 10% instead.

■ 40.5754, 55.7180,
66.3737

■ 40.5754, 55.7180,
66.3737

339.6358,
408.6279, 466.1528

■ 28.1737, 39.9769,
48.1174

■ 75.3177, 98.5921,
115.6546

■ 18.5977, 27.5205,
33.5592

■ 98.3890, 126.4939,
147.5164

■ 11.4823, 17.9645,
22.2806

■ 125.7475,
159.2181, 184.7504

■ 6.4619, 10.9245,
13.8629

■ 157.7586,
197.1490, 227.7751

■ 3.1712, 6.0161,
7.8877

194.7876,
240.6710, 277.0092

■ 1.2449, 2.8549,
3.9365

237.1999,

■ 0.1414, 1.0564,

290.1686, 332.8712

1.5905

285.3609,
346.0261, 395.7795

■ 0.0000, 0.0000,
0.2841

■ 0.0000, 0.0000,
0.0000

■ 40.5754, 55.7180,
66.3737

■ 40.5754, 55.7180,
66.3737

■ 38.2799, 54.5619,
65.0961

■ 43.5043, 57.2030,
67.6975

■ 36.5623, 53.7021,
63.8583

■ 47.1066, 59.0335,
69.0658

■ 35.3660, 53.1107,
62.6589

■ 51.4250, 61.2328,
70.4817

■ 34.6204, 52.7513,
61.4945

■ 56.4971, 63.8204,
71.9472

■ 34.2998, 52.6021,
60.7513

■ 62.3578, 66.8142,
73.4638

■ 69.0400, 70.2312,
75.0332

■ 76.5746, 74.0873,
76.6569

■ 78.4545, 75.0280,
78.0303

■ 78.7036, 75.1276,
79.3419

Harmonies

Analogous

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



41.2843, 55.7180, 47.2642



40.5754, 55.7180, 66.3737



42.9434, 55.7180, 88.1274

Triad

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



40.5754, 55.7180, 66.3737



61.8353, 55.7180, 96.8476



58.1965, 55.7180, 31.1620

Complementary

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



40.5754, 55.7180, 66.3737



35.3978, 24.6888, 17.6535

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.



64.4204, 55.7180, 39.6015



40.5754, 55.7180, 66.3737



66.6484, 55.7180, 76.3916

Square

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



40.5754, 55.7180, 66.3737



54.9150, 55.7180, 108.1128



67.6344, 55.7180, 55.2980



51.0486, 55.7180, 29.6413

Rectangle

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



40.5754, 55.7180, 66.3737



46.0843, 55.7180, 100.2495



67.6344, 55.7180, 55.2980



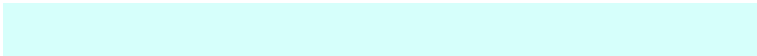
60.4840, 55.7180, 33.1757

Sweetspot

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



40.5770, 55.7202, 66.3750



81.0338, 92.8398, 105.2892



33.2210, 52.9352, 20.5244



17.0061, 19.6988, 22.4399



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.



40.5770, 55.7202, 66.3750



56.0018, 80.1243, 95.5809



31.7110, 35.9935, 69.5685



12.7434, 14.0884, 15.7293



20.5345, 31.4692, 36.4400



1.2525, 1.9037, 2.2716

Inverse Universe

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



35.3978, 24.6888, 17.6535



47.6511, 29.9202, 16.8978



40.6054, 35.9269, 16.8522



12.4667, 12.4382, 13.1318



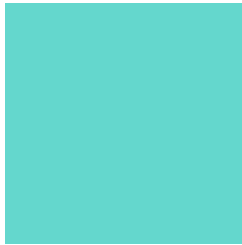
16.8472, 8.6752, 1.2332



1.0317, 0.5295, 0.1561

Previews

White Background



This preview shows how the XYZ color 40.5754, 55.7180, 66.3737 looks on a white background.

Color Contrast Check

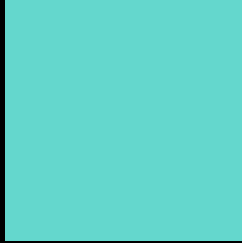
Large Text (above 18pt) WCAG AA × Fail

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 40.5754, 55.7180, 66.3737 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

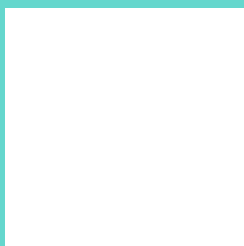
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5754, 55.7180, 66.3737

Background



This preview shows how black text looks on a background with the XYZ color 40.5754, 55.7180, 66.3737.

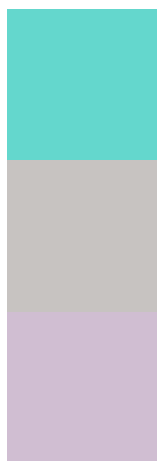


This preview shows how white text looks on a background with the XYZ color 40.5754, 55.7180,

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

40.5754, 55.7180, 66.3737

Protanopia

52.6939, 55.0226, 58.2952

Deuteranopia

56.0587, 54.8900, 68.6130



Tritanopia

43.6215, 55.4338, 82.5294

Trichromacy



Original Color

40.5754, 55.7180, 66.3737



Protanomaly

46.3028, 54.0588, 60.8173



Deuteranomaly

48.1708, 53.8359, 67.5270



Tritanomaly

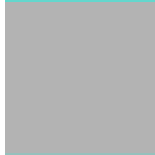
42.2874, 55.2575, 76.1471

Monochromacy



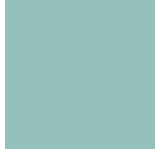
Original Color

40.5754, 55.7180, 66.3737



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.5044, 47.8141, 54.6712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5754, 55.7180, 66.3737 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(100, 215, 205)` looks like.

```
.text, #text, p{  
    color:rgb(100, 215, 205)  
}
```

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(100, 215, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 215, 205) }
```

Border

The CSS property to change the border of an element to XYZ 40.5754, 55.7180, 66.3737 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(100, 215, 205) }
```


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

```
.border{ border-color:rgb(100, 215, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 215, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 215, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 215, 205);  
box-shadow:4px 4px 4px 4px rgb(100, 215,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5754, 55.7180, 66.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 215, 205) }
```

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

```
.background{ background-color: rgb(100,  
215, 205) }
```

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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