

Converting Colors

XYZ(35.8735, 45.7735, 68.5725)

Have a look what the booklet for
XYZ(35.8735, 45.7735, 68.5725)
contains.

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Color

**XYZ(35.8735, 45.7735,
68.5725)**

Conversions

Conversions Part 1

Format	Color
Hex	60C2D3
RGB	96, 194, 211
RGB Percent	38%, 76%, 83%
CMY	0.6235, 0.2392, 0.1725
CMYK	0.55, 0.08, 0.00, 0.17
HSL	189°, 57%, 60%
HSV	189°, 55%, 83%
XYZ	35.8735, 45.7735, 68.5725
YIQ	166.6360, -63.8650, -15.4890

Conversions

Conversions Part 2

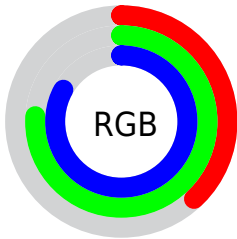
Format	Color
RYB	96, 149, 211
Decimal	6341331
CIELab	73.40, -24.00, -17.30
CIELCh	73, 29.583, 215.783
Yxy	45.7735, 0.2388, 0.3047
Android (android.graphics.Color)	4284531411 (0xFF60C2D3)
YUV	166.6360, 21.8715, -61.9478
Hunter-Lab	67.6561, -23.7516, -12.7338

Details

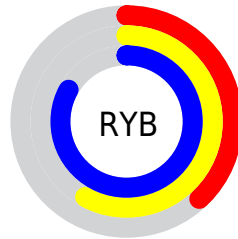
The XYZ color **35.8735, 45.7735, 68.5725** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.8814, 26.5047, 14.3451**, and the grayscale version is **36.4743, 38.3738, 41.7890**.

A 20% lighter version of the original color is **66.0647, 83.1829, 107.1817**, and **15.7797, 21.3631, 34.7443** is the 20% darker color. If you saturate the color by 10%, you get **33.2578, 43.4063, 68.2543**, and if you desaturate by 10%, it is **39.1023, 48.4804, 68.9256**.

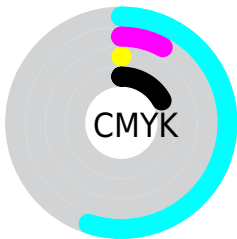
Distribution



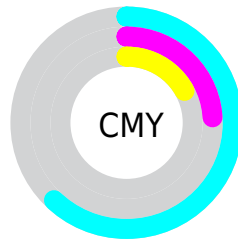
- Red (38%)
- Green (76%)
- Blue (83%)



- Red (38%)
- Yellow (58%)
- Blue (83%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (62%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8735, 45.7735, 68.5725 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 35.8735, 45.7735, 68.5725 by changing the saturation by 10% instead.

■ 35.8735, 45.7735,
68.5725

■ 35.8735, 45.7735,
68.5725

319.8482,
369.8973, 474.1748

■ 24.5062, 32.0671,
49.8940

■ 68.1619, 83.8799,
118.8327

■ 15.8363, 21.4128,
34.9586

■ 89.8137, 109.0488,
151.2516

■ 9.4985, 13.4261,
23.3477

■ 115.6244,
138.8072, 189.0876

■ 5.1274, 7.7226,
14.6427

■ 145.9593,
173.5396, 232.7594

■ 2.3577, 3.9180,
8.4252

181.1837,
213.6305, 282.6854

■ 0.8240, 1.6278,
4.2766

221.6632,

■ 0.0000, 0.3762,

259.4641, 339.2843

1.7783

267.7628,
311.4249, 402.9746

■ 0.0000, 0.0000,
0.4136

■ 0.0000, 0.0000,
0.0000

■ 35.8735, 45.7735,
68.5725

■ 35.8735, 45.7735,
68.5725

■ 33.2578, 43.4063,
68.2543

■ 39.1023, 48.4804,
68.9256

■ 31.2020, 41.3483,
67.9654

■ 42.9834, 51.5443,
69.3125

■ 29.6509, 39.5718,
67.7042

■ 47.5578, 54.9875,
69.7360

■ 28.5355, 38.0412,
67.4676

■ 52.8618, 58.8288,
70.1979

■ 28.0414, 37.2699,
67.3448

■ 58.9291, 63.0858,
70.6998

■ 65.7912, 67.7748,
71.2432

■ 73.4781, 72.9113,
71.8295

■ 78.3177, 76.6025,
72.2869

■ 79.1388, 78.2448,
72.5606

Harmonies

Analogous

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



34.2794, 45.7735, 52.7875



35.8735, 45.7735, 68.5725



39.5243, 45.7735, 80.8590

Triad

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



35.8735, 45.7735, 68.5725



53.2993, 45.7735, 62.5616



42.5045, 45.7735, 26.3938

Complementary

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



35.8735, 45.7735, 68.5725



34.8814, 26.5047, 14.3451

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.



47.7472, 45.7735, 27.9820



35.8735, 45.7735, 68.5725



54.2561, 45.7735, 47.0035

Square

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



35.8735, 45.7735, 68.5725



49.6322, 45.7735, 76.9318



52.1517, 45.7735, 34.8727



37.9065, 45.7735, 29.9964

Rectangle

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



35.8735, 45.7735, 68.5725



42.7737, 45.7735, 84.2857



52.1517, 45.7735, 34.8727



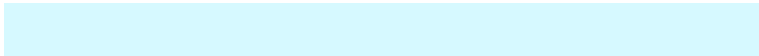
44.2473, 45.7735, 26.3491

Sweetspot

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



35.8749, 45.7752, 68.5736



79.7061, 89.2785, 107.6393



31.0069, 50.2314, 23.1981



16.6861, 18.8403, 23.0070



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.



35.8749, 45.7752, 68.5736



50.6299, 66.2283, 104.7226



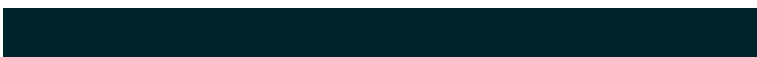
25.6954, 25.4162, 65.1804



12.0033, 13.0968, 15.1390



16.9819, 22.6104, 40.6617



0.9910, 1.3472, 2.2874

Inverse Universe

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



40.7856, 26.1110, 53.9310



59.1864, 34.1877, 78.7106



43.1334, 43.0087, 17.0957



12.2325, 11.9778, 14.5004



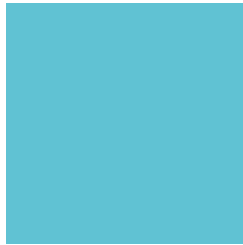
21.2024, 10.3538, 27.0357



1.2064, 0.5873, 1.6220

Previews

White Background



This preview shows how the XYZ color 35.8735, 45.7735, 68.5725 looks on a white background.

Color Contrast Check

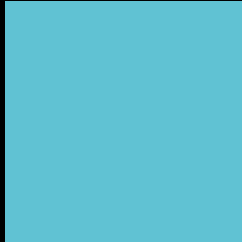
Large Text (above 18pt) WCAG AA × Fail

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 35.8735, 45.7735, 68.5725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

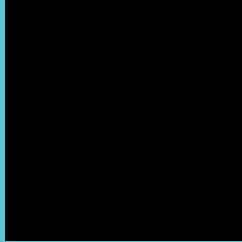
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8735, 45.7735, 68.5725

Background



This preview shows how black text looks on a background with the XYZ color 35.8735, 45.7735, 68.5725.



This preview shows how white text looks on a background with the XYZ color 35.8735, 45.7735,

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

35.8735, 45.7735, 68.5725

Protanopia

44.2502, 45.2410, 61.0437

Deuteranopia

46.1861, 45.1499, 70.5705



Tritanopia

35.7485, 45.7235, 67.9141

Trichromacy



Original Color

35.8735, 45.7735, 68.5725

Protanomaly

40.0722, 44.8437, 63.6704

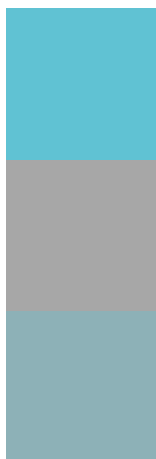
Deuteranomaly

41.2600, 44.7005, 70.0718

Tritanomaly

35.7485, 45.7235, 67.9141

Monochromacy



Original Color

35.8735, 45.7735, 68.5725

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.2539, 40.5259, 50.7639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8735, 45.7735, 68.5725 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(96, 194, 211)` looks like.

```
.text, #text, p{  
    color:rgb(96, 194, 211)  
}
```

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(96, 194, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 194, 211) }
```

Border

The CSS property to change the border of an element to XYZ 35.8735, 45.7735, 68.5725 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(96, 194, 211) }
```


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

```
.border{ border-color:rgb(96, 194, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 194, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 194, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 194, 211);  
box-shadow:4px 4px 4px 4px rgb(96, 194,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8735, 45.7735, 68.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 194, 211) }
```

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

```
.background{ background-color: rgb(96, 194,  
211) }
```

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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