

Converting Colors

XYZ(35.2379, 58.7586, 20.6521)

Have a look what the booklet for
XYZ(35.2379, 58.7586, 20.6521)
contains.

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Color

**XYZ(35.1739, 58.6663,
20.5362)**

Conversions

Conversions Part 1

Format	Color
Hex	67E360
RGB	103, 227, 96
RGB Percent	40%, 89%, 38%
CMY	0.5961, 0.1098, 0.6235
CMYK	0.55, 0.00, 0.58, 0.11
HSL	117°, 70%, 63%
HSV	117°, 58%, 89%
XYZ	35.1739, 58.6663, 20.5362
YIQ	174.9900, -31.8530, -67.0290

Conversions

Conversions Part 2

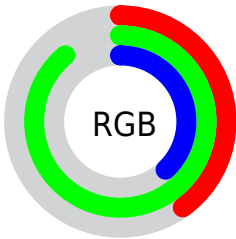
Format	Color
RYB	96, 227, 220
Decimal	6808416
CIELab	81.11, -59.59, 52.73
CIELCh	81, 79.573, 138.496
Yxy	58.6663, 0.3075, 0.5129
Android (android.graphics.Color)	4284998496 (0xFF67E360)
YUV	174.9900, -38.9421, -63.1352
Hunter-Lab	76.5939, -52.0676, 37.7190

Details

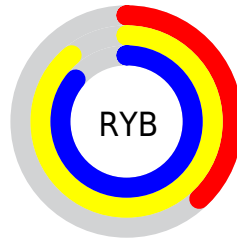
The XYZ color **35.1739, 58.6663, 20.5362** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **47.5666, 29.1296, 75.7918**, and the grayscale version is **40.9507, 43.0833, 46.9177**.

A 20% lighter version of the original color is **56.3693, 81.5085, 41.6159**, and **15.3577, 29.2079, 7.0187** is the 20% darker color. If you saturate the color by 10%, you get **32.1204, 57.1977, 15.7035**, and if you desaturate by 10%, it is **39.1652, 60.5870, 26.9900**.

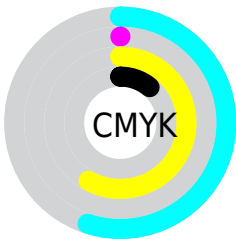
Distribution



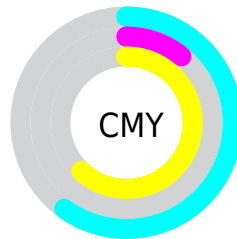
- Red (40%)
- Green (89%)
- Blue (38%)



- Red (38%)
- Yellow (89%)
- Blue (86%)



- Cyan (55%)
- Magenta (0%)
- Yellow (58%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1739, 58.6663, 20.5362 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 35.1739, 58.6663, 20.5362 by changing the saturation by 10% instead.


 35.1739, 58.6663,
20.5362


 35.1739, 58.6663,
20.5362


316.8298,
419.6642, 267.5029


 23.9640, 42.3446,
12.5975


 67.0873, 102.8925,
45.1851


 15.4315, 29.3712,
7.0245


 88.5216, 131.5658,
62.7323

 9.2111, 19.3618,
3.3987


 114.0946,
165.1250, 84.3195

 4.9373, 11.9320,
1.3017

 144.1719,
203.9545, 110.3651

 2.2449, 6.6974,
0.0632

179.1187,
248.4388, 141.2877

 0.7663, 3.2736,
0.0000

219.3004,

 0.0000, 1.2762,

298.9623, 177.5058

0.0000

265.0823,
355.9092, 219.4380

■ 0.0000, 0.1226,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.1739, 58.6663,
20.5362

■ 35.1739, 58.6663,
20.5362

■ 32.1204, 57.1977,
15.7035

■ 39.1652, 60.5870,
26.9900

■ 29.9240, 56.1375,
12.3447


■ 44.1580, 62.9846,
35.1873


■ 28.4980, 55.4463,
10.2927


■ 50.2153, 65.8909,
45.2433


■ 27.7308, 55.0716,
9.3177

■ 57.3936, 69.3329,
57.2622

 27.6237, 55.0197,
9.1639

 65.7456, 73.3355,
71.3406

 75.3207, 77.9224,
87.5684

 86.1652, 83.1155,
106.0307

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



46.2680, 58.6663, 10.5859



35.1739, 58.6663, 20.5362



30.0426, 58.6663, 47.3810

Triad

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



35.1739, 58.6663, 20.5362



49.6557, 58.6663, 201.1429



91.6835, 58.6663, 39.1216

Complementary

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



35.1739, 58.6663, 20.5362



47.5666, 29.1296, 75.7918

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.



93.0891, 58.6663, 83.8176



35.1739, 58.6663, 20.5362



66.4700, 58.6663, 195.0294

Square

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



35.1739, 58.6663, 20.5362



37.2300, 58.6663, 159.2451



83.1290, 58.6663, 145.2360



79.6009, 58.6663, 17.0662

Rectangle

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



35.1739, 58.6663, 20.5362



29.8511, 58.6663, 78.3007



83.1290, 58.6663, 145.2360



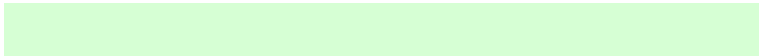
93.4976, 58.6663, 51.3443

Sweetspot

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



35.1753, 58.6688, 20.5375



75.3209, 90.5467, 75.5636



58.9332, 67.4597, 20.9822



15.6875, 19.1725, 15.4442



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.



35.1753, 58.6688, 20.5375



41.2400, 74.1818, 19.5516



38.0254, 59.7199, 39.5608



14.2602, 16.1257, 15.2654



16.1394, 32.1016, 5.3456



1.2179, 2.3852, 0.3962

Inverse Universe

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



47.5666, 29.1296, 75.7918



58.7165, 32.3403, 97.7553



43.1414, 27.6093, 41.2034



14.9151, 14.5740, 18.1713



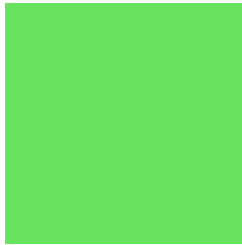
24.4413, 11.6658, 43.3467



1.8295, 0.8741, 3.2043

Previews

White Background



This preview shows how the XYZ color 35.1739, 58.6663, 20.5362 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 35.1739, 58.6663, 20.5362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

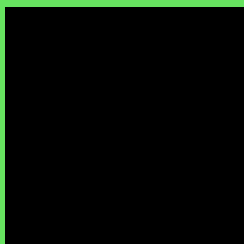
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.1739, 58.6663, 20.5362

Background



This preview shows how black text looks on a background with the XYZ color 35.1739, 58.6663, 20.5362.



This preview shows how white text looks on a background with the XYZ color 35.1739, 58.6663,

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

35.1739, 58.6663, 20.5362

Protanopia

52.5399, 57.5427, 17.5702

Deuteranopia

58.8885, 57.7147, 21.6720



Tritanopia

47.5929, 58.2072, 83.5896

Trichromacy



Original Color

35.1739, 58.6663, 20.5362



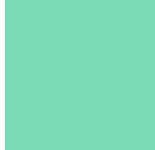
Protanomaly

43.5253, 56.4322, 18.4960



Deuteranomaly

45.9835, 55.4825, 20.8560



Tritanomaly

41.2971, 57.5440, 52.6466

Monochromacy



Original Color

35.1739, 58.6663, 20.5362



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

36.8745, 47.0485, 34.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1739, 58.6663, 20.5362 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(103, 227, 96)` looks like.

```
.text, #text, p{  
    color:rgb(103, 227, 96)  
}
```

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(103, 227, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 227, 96) }
```

Border

The CSS property to change the border of an element to XYZ 35.1739, 58.6663, 20.5362 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(103, 227, 96) }
```


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

```
.border{ border-color:rgb(103, 227, 96) }
```

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

Here you see how a box with a 4 pixel rgb(103, 227, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 227, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 227, 96);  
box-shadow:4px 4px 4px 4px rgb(103, 227,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1739, 58.6663, 20.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 227, 96) }
```

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

```
.background{ background-color: rgb(103,  
227, 96) }
```

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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