

Converting Colors

XYZ(35.8172, 54.0780, 20.0549)

Have a look what the booklet for
XYZ(35.8172, 54.0780, 20.0549)
contains.

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Color

**XYZ(35.7669, 53.8805,
20.0701)**

Conversions

Conversions Part 1

Format	Color
Hex	84D662
RGB	132, 214, 98
RGB Percent	52%, 84%, 38%
CMY	0.4824, 0.1608, 0.6157
CMYK	0.38, 0.00, 0.54, 0.16
HSL	102°, 59%, 61%
HSV	102°, 54%, 84%
XYZ	35.7669, 53.8805, 20.0701
YIQ	176.2580, -11.6360, -53.4600

Conversions

Conversions Part 2

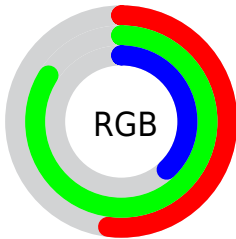
Format	Color
RYB	98, 214, 180
Decimal	8705634
CIELab	78.39, -45.88, 48.92
CIELCh	78, 67.071, 133.162
Yxy	53.8805, 0.3260, 0.4911
Android (android.graphics.Color)	4286895714 (0xFF84D662)
YUV	176.2580, -38.5812, -38.8143
Hunter-Lab	73.4033, -41.4790, 35.1711

Details

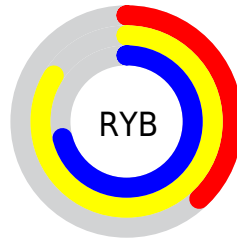
The XYZ color **35.7669, 53.8805, 20.0701** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.3302, 23.2954, 66.2556**, and the grayscale version is **41.6022, 43.7688, 47.6642**.

A 20% lighter version of the original color is **62.3322, 84.5732, 42.3172**, and **15.8718, 26.5300, 6.8690** is the 20% darker color. If you saturate the color by 10%, you get **32.6922, 52.3986, 15.3387**, and if you desaturate by 10%, it is **39.4575, 55.6519, 26.2424**.

Distribution



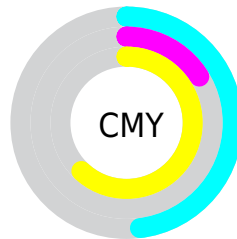
- Red (52%)
- Green (84%)
- Blue (38%)



- Red (38%)
- Yellow (84%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (54%)
- Black (16%)





- Cyan (48%)
- Magenta (16%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7669, 53.8805, 20.0701 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 35.7669, 53.8805, 20.0701 by changing the saturation by 10% instead.


 35.7669, 53.8805,
20.0701


 35.7669, 53.8805,
20.0701


319.3896,
401.6542, 264.9111


 24.4235, 38.5061,
12.2614


 67.9984, 95.8988,
44.3952


 15.7745, 26.3757,
6.7973


 89.6171, 123.3114,
61.7487

 9.4546, 17.1049,
3.2591


 115.3917,
155.5057, 83.1209

 5.0983, 10.3093,
1.2284

 145.6875,
192.8659, 108.9303

 2.3404, 5.6045,
0.0020

180.8698,
235.7764, 139.5955

 0.8152, 2.6061,
0.0000

221.3040,

 0.0000, 0.9298,

284.6217, 175.5350

0.0000

267.3555,
339.7862, 217.1674

■ 0.0000, 0.0000,
0.0000

■ 35.7669, 53.8805,
20.0701

■ 35.7669, 53.8805,
20.0701

■ 32.6922, 52.3986,
15.3387

■ 39.4575, 55.6519,
26.2424

■ 30.1926, 51.1829,
11.9279

■ 43.7934, 57.7210,
33.9560

■ 28.2282, 50.2174,
9.7036

■ 48.8069, 60.1037,
43.3065

■ 26.7509, 49.4809,
8.5017

■ 54.5267, 62.8132,
54.3808

■ 26.0797, 49.1429,
8.1110

■ 60.9798, 65.8615,
67.2595

■ 68.1919, 69.2603,
82.0182

■ 76.1871, 73.0204,
98.7282

■ 82.6159, 76.2033,
104.9621

■ 83.3377, 76.5753,
104.9959

Harmonies

Analogous

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



45.6584, 53.8805, 12.5900



35.7669, 53.8805, 20.0701



30.5945, 53.8805, 40.0648

Triad

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



35.7669, 53.8805, 20.0701



44.2204, 53.8805, 159.0764



80.0435, 53.8805, 43.6515

Complementary

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



35.7669, 53.8805, 20.0701



35.3302, 23.2954, 66.2556

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.



79.4787, 53.8805, 82.2848



35.7669, 53.8805, 20.0701



57.1982, 53.8805, 161.4290

Square

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



35.7669, 53.8805, 20.0701



34.8704, 53.8805, 123.5876



70.5642, 53.8805, 129.0723



71.9959, 53.8805, 21.7225

Rectangle

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



35.7669, 53.8805, 20.0701



29.8577, 53.8805, 62.7598



70.5642, 53.8805, 129.0723



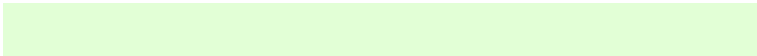
80.8907, 53.8805, 54.7556

Sweetspot

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



35.7682, 53.8828, 20.0713



79.3366, 92.5795, 77.4405



46.0986, 47.5007, 18.2949



16.5933, 19.6321, 15.8193



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.



35.7682, 53.8828, 20.0713



48.0264, 77.6340, 21.9599



32.5487, 52.0777, 26.4911



12.6010, 14.0705, 13.2124



15.8535, 29.7491, 4.9066



1.0383, 1.8367, 0.2998

Inverse Universe

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



35.3302, 23.2954, 66.2556



47.2143, 27.5888, 97.4444



41.4832, 26.7857, 52.1610



12.5821, 12.4415, 15.6758



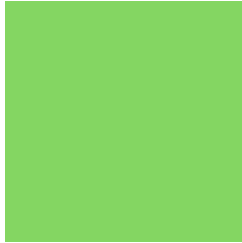
15.1904, 6.9835, 39.0005



0.9969, 0.4628, 2.3561

Previews

White Background



This preview shows how the XYZ color 35.7669, 53.8805, 20.0701 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 35.7669, 53.8805, 20.0701 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 35.7669, 53.8805, 20.0701

Background



This preview shows how black text looks on a background with the XYZ color 35.7669, 53.8805, 20.0701.

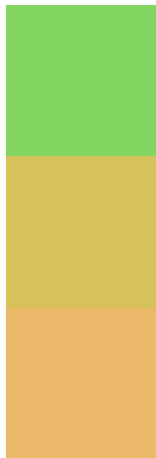


This preview shows how white text looks on a background with the XYZ color 35.7669, 53.8805,

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

35.7669, 53.8805, 20.0701

Protanopia

48.6898, 53.1914, 17.5983

Deuteranopia

54.3341, 53.1545, 21.0318



Tritanopia

46.3599, 53.4584, 73.5207

Trichromacy



Original Color

35.7669, 53.8805, 20.0701

Protanomaly

42.6742, 52.7718, 18.5265

Deuteranomaly

45.2520, 52.0153, 20.4869

Tritanomaly

41.3883, 53.2183, 48.1352

Monochromacy



Original Color

35.7669, 53.8805, 20.0701

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

38.2560, 46.4386, 34.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7669, 53.8805, 20.0701 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(132, 214, 98)` looks like.

```
.text, #text, p{  
    color:rgb(132, 214, 98)  
}
```

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(132, 214, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 214, 98) }
```

Border

The CSS property to change the border of an element to XYZ 35.7669, 53.8805, 20.0701 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(132, 214, 98) }
```


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

```
.border{ border-color:rgb(132, 214, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 214, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 214, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 214, 98);  
box-shadow:4px 4px 4px 4px rgb(132, 214,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7669, 53.8805, 20.0701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 214, 98) }
```

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

```
.background{ background-color: rgb(132,  
214, 98) }
```

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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