

Converting Colors

XYZ(35.7661, 56.7952, 25.5215)

Have a look what the booklet for
XYZ(35.7661, 56.7952, 25.5215)
contains.

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Color

**XYZ(35.8292, 56.8830,
25.6141)**

Conversions

Conversions Part 1

Format	Color
Hex	6FDE74
RGB	111, 222, 116
RGB Percent	44%, 87%, 45%
CMY	0.5647, 0.1294, 0.5451
CMYK	0.50, 0.00, 0.48, 0.13
HSL	123°, 63%, 65%
HSV	123°, 50%, 87%
XYZ	35.8292, 56.8830, 25.6141
YIQ	176.7270, -32.1300, -56.4980

Conversions

Conversions Part 2

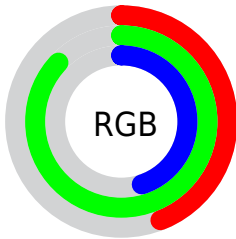
Format	Color
RYB	111, 217, 222
Decimal	7331444
CIELab	80.11, -53.09, 42.25
CIElCh	80, 67.853, 141.488
Yxy	56.8830, 0.3028, 0.4807
Android (android.graphics.Color)	4285521524 (0xFF6FDE74)
YUV	176.7270, -29.9384, -57.6426
Hunter-Lab	75.4208, -47.1887, 32.6588

Details

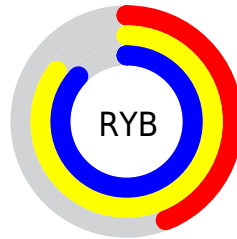
The XYZ color **35.8292, 56.8830, 25.6141** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **48.3347, 31.9092, 69.2588**, and the grayscale version is **41.8120, 43.9895, 47.9046**.

A 20% lighter version of the original color is **59.3779, 82.8573, 50.8937**, and **15.8570, 28.3071, 9.6291** is the 20% darker color. If you saturate the color by 10%, you get **32.2797, 55.1814, 19.7293**, and if you desaturate by 10%, it is **40.3570, 59.0597, 33.0159**.

Distribution



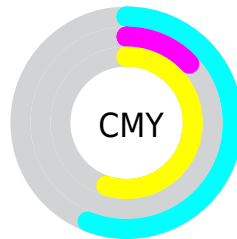
- Red (44%)
- Green (87%)
- Blue (45%)



- Red (44%)
- Yellow (85%)
- Blue (87%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)



- Cyan (56%)
- Magenta (13%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8292, 56.8830, 25.6141 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 35.8292, 56.8830, 25.6141 by changing the saturation by 10% instead.

■ 35.8292, 56.8830,
25.6141

■ 35.8292, 56.8830,
25.6141

319.6577,
413.0108, 294.4275

■ 24.4718, 40.9113,
16.3120

■ 68.0940, 100.2944,
53.6282

■ 15.8106, 28.2498,
9.5885

■ 89.7320, 128.5030,
73.1772

■ 9.4802, 18.5140,
5.0249

■ 115.5277,
161.5593, 96.9789

■ 5.1153, 11.3197,
2.2029

145.8464,
199.8477, 125.4520

■ 2.3505, 6.2823,
0.6760

181.0533,
243.7527, 159.0148

■ 0.8203, 3.0175,
0.0000

221.5140,

■ 0.0000, 1.1409,

293.6586, 198.0860

0.0000

267.5936,
349.9498, 243.0840

■ 0.0000, 0.0126,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8292, 56.8830,
25.6141

■ 35.8292, 56.8830,
25.6141

■ 32.2797, 55.1814,
19.7293

■ 40.3570, 59.0597,
33.0159

■ 29.6325, 53.9131,
15.2531


■ 45.9235, 61.7357,
42.0257


■ 27.8073, 53.0407,
12.0689


■ 52.5892, 64.9419,
52.7316


■ 26.7077, 52.5176,
10.0397

■ 60.4086, 68.7048,
65.2144

 26.1772, 52.2667,
8.9961

 69.4328, 73.0490,
79.5498

 79.7096, 77.9977,
95.8089

 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



44.9068, 56.8830, 14.6899



35.8292, 56.8830, 25.6141



31.8190, 56.8830, 51.3433

Triad

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



35.8292, 56.8830, 25.6141



50.2280, 56.8830, 171.7600



82.7427, 56.8830, 38.0383

Complementary

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



35.8292, 56.8830, 25.6141



48.3347, 31.9092, 69.2588

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.



84.8233, 56.8830, 73.8936



35.8292, 56.8830, 25.6141



64.3919, 56.8830, 163.1255

Square

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



35.8292, 56.8830, 25.6141



39.1537, 56.8830, 142.5770



77.6298, 56.8830, 122.4147



72.3515, 56.8830, 19.4411

Rectangle

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



35.8292, 56.8830, 25.6141



31.9875, 56.8830, 78.3572



77.6298, 56.8830, 122.4147



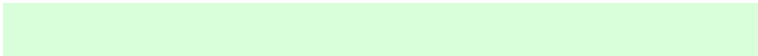
84.5003, 56.8830, 47.9858

Sweetspot

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



35.8306, 56.8854, 25.6154



77.0180, 91.3202, 80.2223



57.9962, 68.3449, 25.1743



16.0070, 19.3163, 16.4073



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.



35.8306, 56.8854, 25.6154



43.9941, 75.4466, 26.6821



39.9530, 58.5343, 47.3233



13.5537, 15.3472, 14.6850



15.5590, 31.0484, 5.4006



1.0874, 2.1557, 0.4215

Inverse Universe

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



48.3347, 31.9092, 69.2588



62.9511, 37.5466, 92.8223



42.4032, 29.5366, 38.0238



14.2669, 13.9244, 17.1759



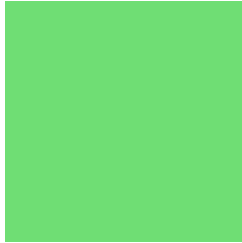
24.9631, 12.0522, 38.0669



1.7387, 0.8387, 2.6827

Previews

White Background



This preview shows how the XYZ color 35.8292, 56.8830, 25.6141 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 35.8292, 56.8830, 25.6141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

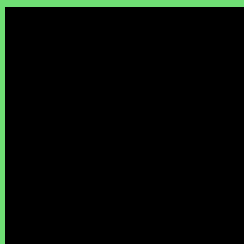
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8292, 56.8830, 25.6141

Background



This preview shows how black text looks on a background with the XYZ color 35.8292, 56.8830, 25.6141.



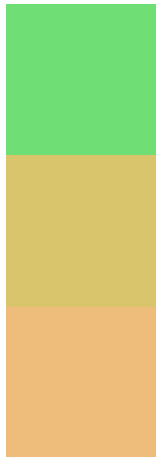
This preview shows how white text looks on a background with the XYZ color 35.8292, 56.8830,

25.6141.

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

35.8292, 56.8830, 25.6141

Protanopia

51.2354, 55.7458, 21.9695

Deuteranopia

57.0956, 56.0276, 26.8739



Tritanopia

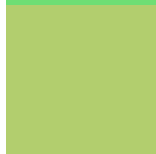
46.9034, 56.7901, 81.1626

Trichromacy



Original Color

35.8292, 56.8830, 25.6141



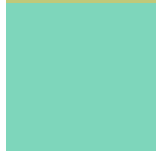
Protanomaly

43.2459, 54.7334, 23.0372



Deuteranomaly

46.0761, 54.3602, 26.1533



Tritanomaly

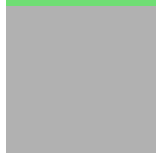
41.6204, 56.1166, 55.6517

Monochromacy



Original Color

35.8292, 56.8830, 25.6141



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.1232, 47.2788, 38.1268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8292, 56.8830, 25.6141 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(111, 222, 116)` looks like.

```
.text, #text, p{  
    color:rgb(111, 222, 116)  
}
```

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(111, 222, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 222, 116) }
```

Border

The CSS property to change the border of an element to XYZ 35.8292, 56.8830, 25.6141 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(111, 222, 116) }
```


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

```
.border{ border-color:rgb(111, 222, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 222, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 222, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 222, 116);  
box-shadow:4px 4px 4px 4px rgb(111, 222,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8292, 56.8830, 25.6141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 222, 116) }
```

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

```
.background{ background-color: rgb(111,  
222, 116) }
```

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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