

Converting Colors

XYZ(34.6357, 52.0344, 28.8119)

Have a look what the booklet for
XYZ(34.6357, 52.0344, 28.8119)
contains.

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Color

**XYZ(34.5267, 51.9290,
28.6256)**

Conversions

Conversions Part 1

Format	Color
Hex	75D380
RGB	117, 211, 128
RGB Percent	46%, 83%, 50%
CMY	0.5412, 0.1725, 0.4980
CMYK	0.45, 0.00, 0.39, 0.17
HSL	127°, 52%, 64%
HSV	127°, 45%, 83%
XYZ	34.5267, 51.9290, 28.6256
YIQ	173.4320, -29.3810, -45.7410

Conversions

Conversions Part 2

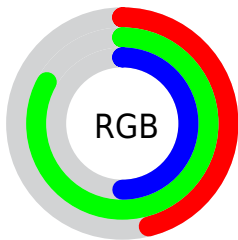
Format	Color
RYB	117, 201, 211
Decimal	7721856
CIELab	77.24, -45.13, 32.63
CIELCh	77, 55.692, 144.130
Yxy	51.9290, 0.3000, 0.4512
Android (android.graphics.Color)	4285911936 (0xFF75D380)
YUV	173.4320, -22.3980, -49.4909
Hunter-Lab	72.0618, -40.5841, 26.8911

Details

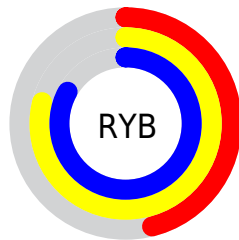
The XYZ color **34.5267, 51.9290, 28.6256** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **43.6523, 30.7426, 58.2787**, and the grayscale version is **40.0639, 42.1504, 45.9017**.

A 20% lighter version of the original color is **61.4371, 83.7816, 57.1894**, and **15.0915, 25.2734, 11.1040** is the 20% darker color. If you saturate the color by 10%, you get **30.8891, 50.1842, 22.6315**, and if you desaturate by 10%, it is **39.0311, 54.0976, 35.8379**.

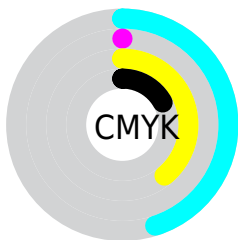
Distribution



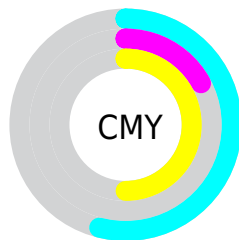
- Red (46%)
- Green (83%)
- Blue (50%)



- Red (46%)
- Yellow (79%)
- Blue (83%)



- Cyan (45%)
- Magenta (0%)
- Yellow (39%)
- Black (17%)



- Cyan (54%)
- Magenta (17%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5267, 51.9290, 28.6256 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 34.5267, 51.9290, 28.6256 by changing the saturation by 10% instead.

■ 34.5267, 51.9290,
28.6256

■ 34.5267, 51.9290,
28.6256

314.0190,
394.1624, 309.4498

■ 23.4633, 36.9485,
18.5546

■ 66.0908, 93.0265,
58.5168

■ 15.0586, 25.1676,
11.1754

■ 87.3222, 119.9123,
79.1741

■ 8.9471, 16.2020,
6.0693

■ 112.6736,
151.5353, 104.1972

■ 4.7635, 9.6672,
2.8178

142.5104,
188.2800, 134.0048

■ 2.1425, 5.1789,
1.0024

177.1981,
230.5306, 169.0153

■ 0.7122, 2.3526,
0.0000

217.1018,

■ 0.0000, 0.8013,

278.6716, 209.6472

0.0000

262.5870,
333.0874, 256.3192

■ 0.0000, 0.0000,
0.0000

■ 34.5267, 51.9290,
28.6256

■ 34.5267, 51.9290,
28.6256

■ 30.8891, 50.1842,
22.6315

■ 39.0311, 54.0976,
35.8379

■ 28.0585, 48.8293,
17.7850

■ 44.4491, 56.7085,
44.3267

■ 25.9738, 47.8359,
14.0139


■ 50.8290, 59.7866,
54.1510


■ 24.5634, 47.1688,
11.2360


■ 58.2143, 63.3533,
65.3647

■ 23.7411, 46.7856,
9.3575

■ 66.6461, 67.4287,
78.0191

 23.4675, 46.6595,
8.6718

 76.1629, 72.0316,
92.1628

 82.5853, 75.0706,
104.7451

Harmonies

Analogous

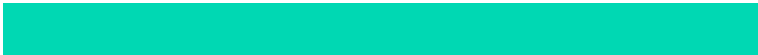
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4348, 51.9290, 18.0810



34.5267, 51.9290, 28.6256



31.6300, 51.9290, 50.7424

Triad

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



34.5267, 51.9290, 28.6256



47.2881, 51.9290, 137.4582



70.5510, 51.9290, 35.7600

Complementary

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



34.5267, 51.9290, 28.6256



43.6523, 30.7426, 58.2787

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.



72.7113, 51.9290, 62.7671



34.5267, 51.9290, 28.6256



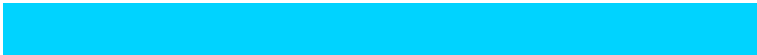
58.2295, 51.9290, 128.9146

Square

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



34.5267, 51.9290, 28.6256



38.2838, 51.9290, 118.7816



67.9216, 51.9290, 98.4375



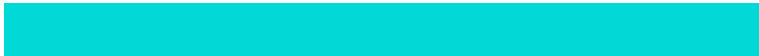
62.3826, 51.9290, 21.0395

Rectangle

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



34.5267, 51.9290, 28.6256



32.0130, 51.9290, 72.1353



67.9216, 51.9290, 98.4375



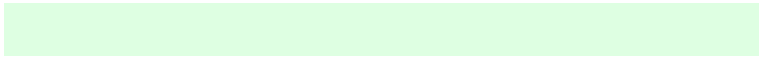
72.0488, 51.9290, 43.3750

Sweetspot

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



34.5280, 51.9312, 28.6268



79.5286, 92.5021, 85.4201



50.3356, 60.1595, 25.7890



16.5162, 19.5549, 17.5099



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.



34.5280, 51.9312, 28.6268



47.9052, 77.2705, 35.5583



38.3665, 53.4666, 48.8398



11.7118, 13.2285, 12.8386



14.1817, 28.1656, 5.3368



0.8122, 1.5825, 0.3998

Inverse Universe

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



43.6523, 30.7426, 58.2787



63.5456, 40.8997, 86.3488



38.9793, 28.8735, 33.6711



12.2487, 11.9842, 14.5857



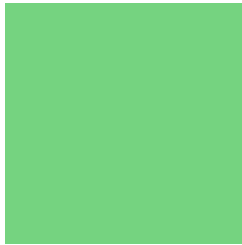
21.6056, 10.5151, 29.1592



1.2253, 0.5948, 1.7213

Previews

White Background



This preview shows how the XYZ color 34.5267, 51.9290, 28.6256 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 34.5267, 51.9290, 28.6256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

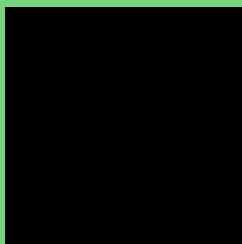
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5267, 51.9290, 28.6256

Background



This preview shows how black text looks on a background with the XYZ color 34.5267, 51.9290, 28.6256.

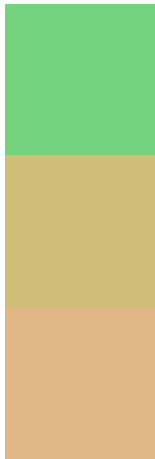


This preview shows how white text looks on a background with the XYZ color 34.5267, 51.9290,

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

34.5267, 51.9290, 28.6256

Protanopia

47.5357, 51.4484, 25.1944

Deuteranopia

52.1525, 51.2127, 30.0580



Tritanopia

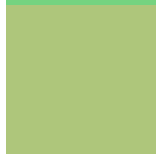
43.3320, 51.5525, 73.3124

Trichromacy



Original Color

34.5267, 51.9290, 28.6256



Protanomaly

41.2248, 50.8169, 26.3748



Deuteranomaly

43.4845, 50.2450, 29.2362



Tritanomaly

39.4031, 51.3556, 53.7348

Monochromacy



Original Color

34.5267, 51.9290, 28.6256



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.9930, 44.7473, 38.5856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5267, 51.9290, 28.6256 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(117, 211, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 211, 128)  
}
```

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(117, 211, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 211, 128) }
```

Border

The CSS property to change the border of an element to XYZ 34.5267, 51.9290, 28.6256 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(117, 211, 128) }
```


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

```
.border{ border-color:rgb(117, 211, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 211, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 211, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 211, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 211,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5267, 51.9290, 28.6256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 211, 128) }
```

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

```
.background{ background-color: rgb(117,  
211, 128) }
```

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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