

Converting Colors

XYZ(35.1213, 56.3179, 34.6912)

Have a look what the booklet for
XYZ(35.1213, 56.3179, 34.6912)
contains.

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Color

**XYZ(35.1236, 56.3194,
34.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	59DE8E
RGB	89, 222, 142
RGB Percent	35%, 87%, 56%
CMY	0.6510, 0.1294, 0.4431
CMYK	0.60, 0.00, 0.36, 0.13
HSL	144°, 67%, 61%
HSV	144°, 60%, 87%
XYZ	35.1236, 56.3194, 34.6107
YIQ	173.1130, -53.5880, -53.0760

Conversions

Conversions Part 2

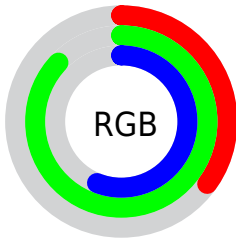
Format	Color
R_{YB}	89, 184, 222
Decimal	5889678
CIE _{Lab}	79.80, -54.11, 28.67
CIE _{LCh}	80, 61.234, 152.082
Yxy	56.3194, 0.2786, 0.4468
Android (android.graphics.Color)	4284079758 (0xFF59DE8E)
YUV	173.1130, -15.3387, -73.7671
Hunter-Lab	75.0463, -47.7883, 25.1883

Details

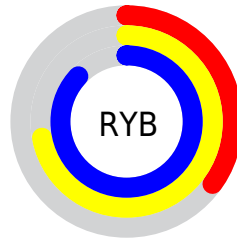
The XYZ color **35.1236, 56.3194, 34.6107** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.8598, 25.5401, 40.3144**, and the grayscale version is **39.8748, 41.9514, 45.6850**.

A 20% lighter version of the original color is **58.3015, 81.9896, 64.9773**, and **15.5245, 28.0278, 14.4892** is the 20% darker color. If you saturate the color by 10%, you get **32.3626, 55.0066, 29.5583**, and if you desaturate by 10%, it is **38.6498, 58.0159, 40.3285**.

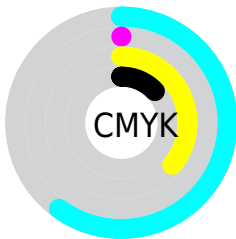
Distribution



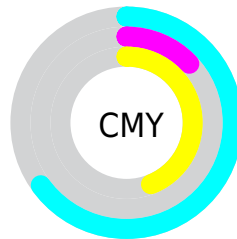
- Red (35%)
- Green (87%)
- Blue (56%)



- Red (35%)
- Yellow (72%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (36%)
- Black (13%)





- Cyan (65%)
- Magenta (13%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1236, 56.3194, 34.6107 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 35.1236, 56.3194, 34.6107 by changing the saturation by 10% instead.

 35.1236, 56.3194,
34.6107


 35.1236, 56.3194,
34.6107


316.6120,
410.8941, 337.6985


 23.9251, 40.4591,
23.0820


 67.0100, 99.4714,
68.0270


 15.4025, 27.8967,
14.4482


 88.4285, 127.5319,
90.7516

 9.1905, 18.2478,
8.2908


 113.9844,
160.4279, 118.0453

 4.9237, 11.1280,
4.1911

 144.0430,
198.5437, 150.3266

 2.2369, 6.1530,
1.7308

178.9698,
242.2639, 188.0140

 0.7621, 2.9383,
0.3817

219.1299,

 0.0000, 1.0996,

291.9727, 231.5261

0.0000

264.8889,
348.0547, 281.2814

■ 0.0000, 0.0000,
0.0000

■ 35.1236, 56.3194,
34.6107

■ 35.1236, 56.3194,
34.6107

■ 32.3626, 55.0066,
29.5583

■ 38.6498, 58.0159,
40.3285

■ 30.2986, 54.0382,
25.1422

■ 42.9932, 60.1178,
46.7314

■ 28.8575, 53.3780,
21.3371

■ 48.2061, 62.6531,
53.8430

■ 27.9107, 52.9603,
18.1119

■ 54.3351, 65.6455,
61.6846

■ 27.9032, 52.9570,
18.0852

■ 61.4232, 69.1168,
70.2766

■ 69.5109, 73.0873,
79.6386

■ 78.6360, 77.5762,
89.7894

■ 84.4351, 80.3338,
100.5412

■ 85.4123, 80.7247,
105.6874

Harmonies

Analogous

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



41.8512, 56.3194, 19.7855



35.1236, 56.3194, 34.6107



33.0834, 56.3194, 63.8333

Triad

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



35.1236, 56.3194, 34.6107



54.3996, 56.3194, 157.8533



76.3498, 56.3194, 31.7620

Complementary

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



35.1236, 56.3194, 34.6107



40.8598, 25.5401, 40.3144

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.



81.0305, 56.3194, 58.8780



35.1236, 56.3194, 34.6107



67.2012, 56.3194, 139.1652

Square

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



35.1236, 56.3194, 34.6107



43.1357, 56.3194, 143.4877



77.4511, 56.3194, 99.1205



65.4725, 56.3194, 18.6428

Rectangle

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



35.1236, 56.3194, 34.6107



34.3554, 56.3194, 90.7017



77.4511, 56.3194, 99.1205



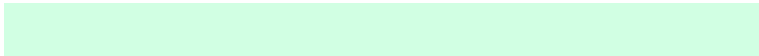
78.7696, 56.3194, 39.0898

Sweetspot

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



35.1251, 56.3217, 34.6120



76.0019, 90.6576, 86.4490



44.7246, 61.6262, 18.9896



15.6978, 19.1258, 17.7959



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.



35.1251, 56.3217, 34.6120



43.4651, 74.9056, 38.7790



41.4423, 58.8486, 67.8779



13.7539, 15.4273, 15.7393



16.6246, 31.4747, 11.0123



1.1956, 2.1990, 0.9914

Inverse Universe

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



40.8598, 25.5401, 40.3144



51.9454, 29.1882, 47.0639



36.2232, 23.6855, 15.8980



14.0517, 13.8383, 16.0423



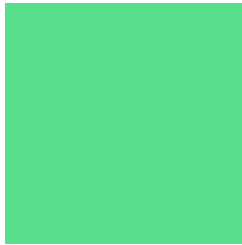
20.4862, 10.2615, 14.4918



1.4638, 0.7288, 1.2352

Previews

White Background



This preview shows how the XYZ color 35.1236, 56.3194, 34.6107 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 35.1236, 56.3194, 34.6107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

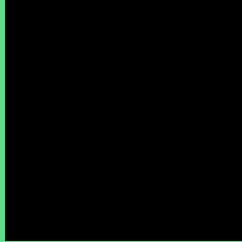
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.1236, 56.3194, 34.6107

Background



This preview shows how black text looks on a background with the XYZ color 35.1236, 56.3194, 34.6107.



This preview shows how white text looks on a background with the XYZ color 35.1236, 56.3194,

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

35.1236, 56.3194, 34.6107

Protanopia

51.2772, 55.2647, 29.4373

Deuteranopia

56.4432, 55.1574, 36.5257



Tritanopia

44.5074, 55.8905, 82.5709

Trichromacy



Original Color

35.1236, 56.3194, 34.6107



Protanomaly

42.3529, 53.7367, 31.0617



Deuteranomaly

44.5111, 52.9988, 35.4876



Tritanomaly

40.3223, 55.6963, 61.4486

Monochromacy



Original Color

35.1236, 56.3194, 34.6107



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.3077, 45.6210, 41.0745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1236, 56.3194, 34.6107 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(89, 222, 142)` looks like.

```
.text, #text, p{  
    color:rgb(89, 222, 142)  
}
```

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(89, 222, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 222, 142) }
```

Border

The CSS property to change the border of an element to XYZ 35.1236, 56.3194, 34.6107 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(89, 222, 142) }
```


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

```
.border{ border-color:rgb(89, 222, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 222, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 222, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 222, 142);  
box-shadow:4px 4px 4px 4px rgb(89, 222,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1236, 56.3194, 34.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 222, 142) }
```

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

```
.background{ background-color: rgb(89, 222,  
142) }
```

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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