

Converting Colors

XYZ(35.0907, 57.5712, 31.4551)

Have a look what the booklet for
XYZ(35.0907, 57.5712, 31.4551)
contains.

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Color

**XYZ(35.0893, 57.5701,
31.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	57E185
RGB	87, 225, 133
RGB Percent	34%, 88%, 52%
CMY	0.6588, 0.1176, 0.4784
CMYK	0.61, 0.00, 0.41, 0.12
HSL	140°, 70%, 61%
HSV	140°, 61%, 88%
XYZ	35.0893, 57.5701, 31.4530
YIQ	173.2500, -52.7160, -57.8680

Conversions

Conversions Part 2

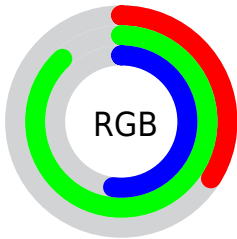
Format	Color
RYB	87, 191, 225
Decimal	5759365
CIELab	80.50, -57.26, 34.17
CIELCh	80, 66.678, 149.174
Yxy	57.5701, 0.2827, 0.4639
Android (android.graphics.Color)	4283949445 (0xFF57E185)
YUV	173.2500, -19.8433, -75.6412
Hunter-Lab	75.8750, -50.2317, 28.5346

Details

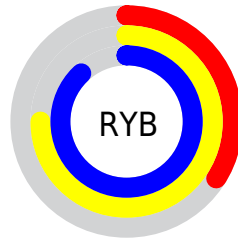
The XYZ color **35.0893, 57.5701, 31.4530** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **42.5980, 26.0797, 45.4384**, and the grayscale version is **39.9667, 42.0481, 45.7904**.

A 20% lighter version of the original color is **57.1241, 81.4974, 59.7335**, and **15.7110, 28.9851, 12.7493** is the 20% darker color. If you saturate the color by 10%, you get **32.3436, 56.2675, 26.2963**, and if you desaturate by 10%, it is **38.6405, 59.2740, 37.4226**.

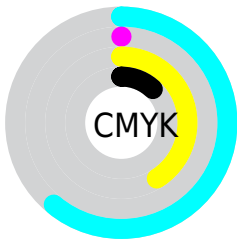
Distribution



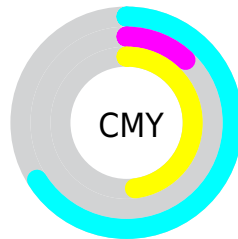
- Red (34%)
- Green (88%)
- Blue (52%)



- Red (34%)
- Yellow (75%)
- Blue (88%)



- Cyan (61%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)





- Cyan (66%)
- Magenta (12%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0893, 57.5701, 31.4530 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 35.0893, 57.5701, 31.4530 by changing the saturation by 10% instead.


 35.0893, 57.5701,
31.4530


 35.0893, 57.5701,
31.4530


316.4634,
415.5821, 323.0355


 23.8985, 41.4631,
20.6827


 66.9572, 101.2966,
63.0405


 15.3827, 28.6811,
12.7033


 88.3650, 129.6848,
84.6947

 9.1765, 18.8397,
7.0962


 113.9092,
162.9357, 110.8141

 4.9145, 11.5545,
3.4430

 143.9552,
201.4335, 141.8170

 2.2314, 6.4411,
1.3250

178.8682,
245.5626, 178.1220

 0.7592, 3.1151,
0.0822

219.0137,

 0.0000, 1.1921,

295.7075, 220.1478

0.0000

264.7570,
352.2526, 268.3128

■ 0.0000, 0.0553,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0893, 57.5701,
31.4530

■ 35.0893, 57.5701,
31.4530

■ 32.3436, 56.2675,
26.2963

■ 38.6405, 59.2740,
37.4226

■ 30.3295, 55.3242,
21.9126


■ 43.0536, 61.4028,
44.2345

■ 28.9663, 54.7008,
18.2645

■ 48.3849, 63.9866,
51.9217

■ 28.1963, 54.3606,
15.6634

■ 54.6846, 67.0505,
60.5140

 61.9991, 70.6180,
70.0400

 70.3717, 74.7108,
80.5266

 79.8432, 79.3494,
92.0001

 85.8967, 82.2048,
104.2723

 86.2163, 82.3326,
105.9554

Harmonies

Analogous

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



42.8674, 57.5701, 17.2208



35.0893, 57.5701, 31.4530



32.3987, 57.5701, 61.6037

Triad

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



35.0893, 57.5701, 31.4530



54.3401, 57.5701, 172.2703



81.0615, 57.5701, 32.6565

Complementary

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



35.0893, 57.5701, 31.4530



42.5980, 26.0797, 45.4384

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.



85.4737, 57.5701, 63.7770



35.0893, 57.5701, 31.4530



68.5746, 57.5701, 154.1996

Square

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



35.0893, 57.5701, 31.4530



42.3114, 57.5701, 152.2279



80.5694, 57.5701, 109.7770



69.3414, 57.5701, 17.6841

Rectangle

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



35.0893, 57.5701, 31.4530



33.4369, 57.5701, 90.8372



80.5694, 57.5701, 109.7770



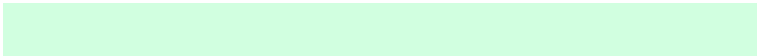
83.5271, 57.5701, 41.0469

Sweetspot

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



35.0908, 57.5725, 31.4543



75.5917, 90.4934, 84.2886



47.7739, 64.4012, 18.9299



15.5986, 19.0861, 17.2735



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.



35.0908, 57.5725, 31.4543



42.0028, 74.2790, 32.9621



41.2477, 60.0352, 63.8761



13.7163, 15.4122, 15.5412



16.2959, 31.3432, 9.2812



1.1701, 2.1888, 0.8569

Inverse Universe

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



42.5980, 26.0797, 45.4384



52.7313, 29.0018, 52.7460



37.4024, 24.0015, 18.0790



14.0906, 13.8539, 16.2475



21.1218, 10.5157, 17.8388



1.5051, 0.7453, 1.4525

Previews

White Background



This preview shows how the XYZ color 35.0893, 57.5701, 31.4530 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 35.0893, 57.5701, 31.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

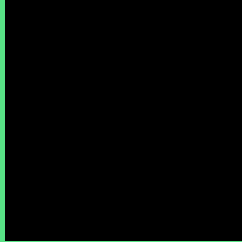
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0893, 57.5701, 31.4530

Background



This preview shows how black text looks on a background with the XYZ color 35.0893, 57.5701, 31.4530.

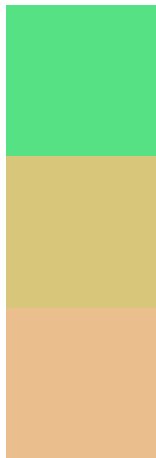


This preview shows how white text looks on a background with the XYZ color 35.0893, 57.5701,

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

35.0893, 57.5701, 31.4530

Protanopia

52.0258, 56.3922, 26.5551

Deuteranopia

57.4821, 56.4122, 33.0583



Tritanopia

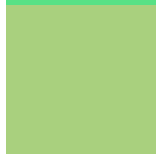
45.4205, 57.0710, 84.2232

Trichromacy



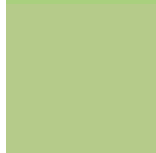
Original Color

35.0893, 57.5701, 31.4530



Protanomaly

42.6840, 55.0531, 28.1153



Deuteranomaly

44.9994, 54.3706, 32.1676



Tritanomaly

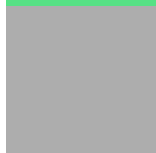
40.4889, 56.5691, 60.4147

Monochromacy



Original Color

35.0893, 57.5701, 31.4530



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.1765, 45.9187, 39.3042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0893, 57.5701, 31.4530 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(87, 225, 133)` looks like.

```
.text, #text, p{  
    color:rgb(87, 225, 133)  
}
```

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(87, 225, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 225, 133) }
```

Border

The CSS property to change the border of an element to XYZ 35.0893, 57.5701, 31.4530 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(87, 225, 133) }
```


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

```
.border{ border-color:rgb(87, 225, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 225, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 225, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 225, 133);  
box-shadow:4px 4px 4px 4px rgb(87, 225,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0893, 57.5701, 31.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 225, 133) }
```

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

```
.background{ background-color: rgb(87, 225,  
133) }
```

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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