

# Converting Colors

XYZ(31.4211, 55.2986, 12.2664)

Have a look what the booklet for  
XYZ(31.4211, 55.2986, 12.2664)  
contains.

<b>XYZ(31.4211, 55.2986, 12.2664)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(31.4211, 55.2986,  
12.2664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CDF34
RGB	92, 223, 52
RGB Percent	36%, 87%, 20%
CMY	0.6392, 0.1255, 0.7961
CMYK	0.59, 0.00, 0.77, 0.13
HSL	106°, 73%, 54%
HSV	106°, 77%, 87%
XYZ	31.4211, 55.2986, 12.2664
YIQ	164.3370, -23.1850, -80.9530

# Conversions

## Conversions Part 2

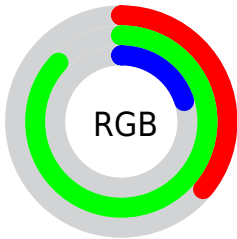
Format	Color
<a href="#">RYB</a>	<a href="#">52, 223, 183</a>
Decimal	<a href="#">6086452</a>
CIELab	<a href="#">79.21, -64.68, 67.57</a>
CIELCh	<a href="#">79, 93.532, 133.748</a>
Yxy	<a href="#">55.2986, 0.3174, 0.5587</a>
Android (android.graphics.Color)	<a href="#">4284276532</a> ( <a href="#">0xFF5CDF34</a> )
YUV	<a href="#">164.3370, -55.3821, -63.4395</a>
Hunter-Lab	<a href="#">74.3630, -54.7125, 42.2741</a>

# Details

The XYZ color **31.4211, 55.2986, 12.2664** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark muted green. A complement of this color would be **34.0794, 17.8532, 71.4649**, and the grayscale version is **35.7125, 37.5723, 40.9163**.

A 20% lighter version of the original color is **52.1468, 79.6363, 27.6618**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **29.5144, 54.3623, 10.1461**, and if you desaturate by 10%, it is **33.9523, 56.5328, 15.6554**.

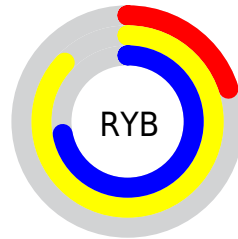
# Distribution



Red (36%)

Green (87%)

Blue (20%)



Red (20%)

Yellow (87%)

Blue (72%)

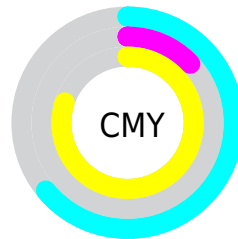


Cyan (59%)

Magenta (0%)

Yellow (77%)

Black (13%)



Cyan (64%)

Magenta (13%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4211, 55.2986, 12.2664 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 31.4211, 55.2986, 12.2664 by changing the saturation by 10% instead.



31.4211, 55.2986,  
12.2664

31.4211, 55.2986,  
12.2664

300.2660,  
407.0428, 217.2012

21.0731, 39.6408,  
6.8006

61.2738, 97.9783,  
30.6510

13.2902, 27.2586,  
3.2612

81.5092, 125.7691,  
44.4069

7.7071, 17.7676,  
1.2295

105.7711,  
158.3729, 61.7633

3.9583, 10.7832,  
0.0029

134.4249,  
196.1743, 83.1387

1.6786, 5.9213,  
0.0000

167.8360,  
239.5576, 108.9516

0.4428, 2.7973,  
0.0000

206.3696,

0.0000, 1.0268,

288.9072, 139.6207

0.0000

250.3912,  
344.6074, 175.5643

■ 0.0000, 0.0000,  
0.0000

■ 31.4211, 55.2986,  
12.2664

■ 31.4211, 55.2986,  
12.2664

■ 29.5144, 54.3623,  
10.1461

■ 33.9523, 56.5328,  
15.6554

■ 28.1644, 53.6883,  
9.0911


■ 37.1574, 58.0819,  
20.4661


■ 27.8130, 53.5119,  
8.8629


■ 41.0848, 59.9697,  
26.8337


■ 45.7771, 62.2155,  
34.8768

■ 51.2735, 64.8372,  
44.7023

 57.6104, 67.8515,  
56.4084

 64.8218, 71.2738,  
70.0861

 72.9399, 75.1190,  
85.8204

 81.9953, 79.4011,  
103.6913

# Harmonies

## Analogous

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



44.4739, 55.2986, 5.3620



31.4211, 55.2986, 12.2664



25.0580, 55.2986, 35.7564

# Triad

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



31.4211, 55.2986, 12.2664



43.1303, 55.2986, 222.9133



95.7632, 55.2986, 38.9152

# Complementary

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



31.4211, 55.2986, 12.2664



34.0794, 17.8532, 71.4649

# 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.



95.1580, 55.2986, 93.8509



31.4211, 55.2986, 12.2664



61.5705, 55.2986, 225.7115

# Square

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



31.4211, 55.2986, 12.2664



30.6394, 55.2986, 163.0954



81.5301, 55.2986, 169.3553



83.0276, 55.2986, 13.4011



# Rectangle

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



31.4211, 55.2986, 12.2664



24.2376, 55.2986, 67.1912



81.5301, 55.2986, 169.3553



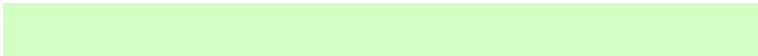
97.1913, 55.2986, 53.7314

# Sweetspot

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



31.4224, 55.3009, 12.2676



72.3611, 89.2330, 65.8435



47.4255, 48.6822, 10.1466



14.8492, 18.7953, 12.9247



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.



31.4224, 55.3009, 12.2676



38.8125, 73.0786, 12.7406



29.8598, 54.3297, 19.6814



13.8273, 15.4911, 14.5681



16.4360, 31.5056, 5.2149



1.2179, 2.2243, 0.3651



# Inverse Universe

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



34.0794, 17.8532, 71.4649



42.1620, 20.0321, 96.2521



39.9253, 21.4509, 45.3525



13.9653, 13.7656, 17.3087



17.7909, 8.2669, 41.7063

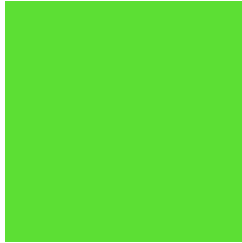


1.3100, 0.6126, 2.8944



# Previews

## White Background



This preview shows how the XYZ color 31.4211, 55.2986, 12.2664 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 31.4211, 55.2986, 12.2664 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 31.4211, 55.2986, 12.2664

## Background



This preview shows how black text looks on a background with the XYZ color 31.4211, 55.2986, 12.2664.



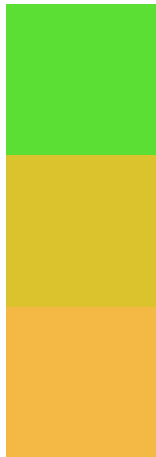
This preview shows how white text looks on a background with the XYZ color 31.4211, 55.2986,



# 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

31.4211, 55.2986, 12.2664

### Protanopia

49.2022, 54.2797, 10.3664

### Deuteranopia

55.3545, 54.1700, 13.0072



## Tritanopia

44.7507, 54.9836, 79.4885

# Trichromacy



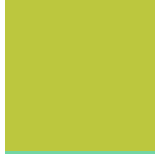
## Original Color

31.4211, 55.2986, 12.2664



## Protanomaly

39.5984, 52.7603, 10.8930



## Deuteranomaly

42.0320, 51.8860, 12.3571



## Tritanomaly

37.2553, 53.7745, 42.5984

# Monochromacy



## Original Color

31.4211, 55.2986, 12.2664



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

31.4053, 41.5313, 25.1000

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4211, 55.2986, 12.2664 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(92, 223, 52)` looks like.

```
.text, #text, p{  
    color:rgb(92, 223, 52)  
}
```

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(92, 223, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 223, 52) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4211, 55.2986, 12.2664 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(92, 223, 52) }
```



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

```
.border{ border-color:rgb(92, 223, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 223, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 223, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 223, 52);  
box-shadow:4px 4px 4px 4px rgb(92, 223,  
52) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4211, 55.2986, 12.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 223, 52) }
```

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

```
.background{ background-color: rgb(92, 223,  
52) }
```

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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