

Converting Colors

XYZ(31.8084, 52.9737, 17.0302)

Have a look what the booklet for
XYZ(31.8084, 52.9737, 17.0302)
contains.

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Color

**XYZ(31.8926, 53.0906,
16.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	66D954
RGB	102, 217, 84
RGB Percent	40%, 85%, 33%
CMY	0.6000, 0.1490, 0.6706
CMYK	0.53, 0.00, 0.61, 0.15
HSL	112°, 64%, 59%
HSV	112°, 61%, 85%
XYZ	31.8926, 53.0906, 16.9541
YIQ	167.4530, -25.8470, -65.7430

Conversions

Conversions Part 2

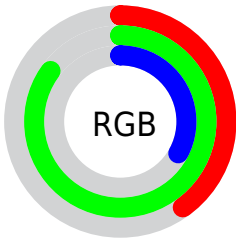
Format	Color
RYB	84, 217, 199
Decimal	6740308
CIELab	77.93, -57.42, 54.35
CIELCh	78, 79.061, 136.573
Yxy	53.0906, 0.3129, 0.5208
Android (android.graphics.Color)	4284930388 (0xFF66D954)
YUV	167.4530, -41.1423, -57.4023
Hunter-Lab	72.8633, -49.3805, 37.2085

Details

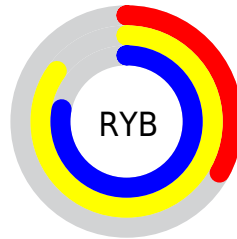
The XYZ color **31.8926, 53.0906, 16.9541** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **39.2508, 23.4944, 68.1146**, and the grayscale version is **37.1567, 39.0917, 42.5709**.

A 20% lighter version of the original color is **55.0454, 80.9320, 36.7650**, and **13.5699, 25.8922, 5.3194** is the 20% darker color. If you saturate the color by 10%, you get **29.2800, 51.8288, 13.0620**, and if you desaturate by 10%, it is **35.2523, 54.7103, 22.2574**.

Distribution



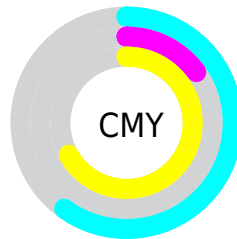
- Red (40%)
- Green (85%)
- Blue (33%)



- Red (33%)
- Yellow (85%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (61%)
- Black (15%)



- Cyan (60%)
- Magenta (15%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8926, 53.0906, 16.9541 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 31.8926, 53.0906, 16.9541 by changing the saturation by 10% instead.

■ 31.8926, 53.0906,
16.9541

■ 31.8926, 53.0906,
16.9541

302.3837,
398.6326, 246.9427

■ 21.4346, 37.8751,
10.0402

■ 62.0090, 94.7377,
39.0364

■ 13.5563, 25.8858,
5.3196

■ 82.3982, 121.9380,
55.0419

■ 7.8924, 16.7382,
2.3740

■ 106.8284,
153.9021, 74.9149

■ 4.0774, 10.0480,
0.7722

■ 135.6651,
191.0144, 99.0740

■ 1.7460, 5.4308,
0.0000

169.2737,
233.6592, 127.9379

■ 0.4848, 2.5022,
0.0000

208.0194,

■ 0.0000, 0.8777,

282.2209, 161.9249

0.0000

252.2676,
337.0839, 201.4537

■ 0.0000, 0.0000,
0.0000

■ 31.8926, 53.0906,
16.9541

■ 31.8926, 53.0906,
16.9541

■ 29.2800, 51.8288,
13.0620

■ 35.2523, 54.7103,
22.2574

■ 27.3525, 50.8911,
10.4430

■ 39.4071, 56.7053,
29.0855

■ 26.0443, 50.2486,
8.9380

■ 44.4054, 59.1000,
37.5449

■ 25.3310, 49.8944,
8.2955

■ 50.2905, 61.9145,
47.7311

■ 57.1030, 65.1679,
59.7327

■ 64.8806, 68.8778,
73.6318

■ 73.6591, 73.0611,
89.5059

■ 83.0498, 77.5645,
105.2020

■ 84.1039, 78.1079,
105.2513

Harmonies

Analogous

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



42.4898, 53.0906, 8.7083



31.8926, 53.0906, 16.9541



26.8231, 53.0906, 40.2923

Triad

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



31.8926, 53.0906, 16.9541



43.9033, 53.0906, 185.4473



84.4284, 53.0906, 36.8641

Complementary

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



31.8926, 53.0906, 16.9541



39.2508, 23.4944, 68.1146

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.



85.0219, 53.0906, 79.7779



31.8926, 53.0906, 16.9541



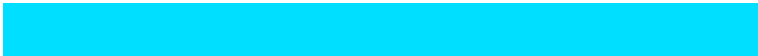
59.3717, 53.0906, 182.8422

Square

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



31.8926, 53.0906, 16.9541



32.7455, 53.0906, 143.6696



75.1190, 53.0906, 137.7219



73.6324, 53.0906, 15.5439

Rectangle

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



31.8926, 53.0906, 16.9541



26.4224, 53.0906, 68.0501



75.1190, 53.0906, 137.7219



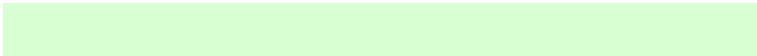
85.8938, 53.0906, 48.6465

Sweetspot

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



31.8939, 53.0928, 16.9553



75.3967, 90.6226, 73.9046



50.1955, 55.3496, 16.4263



15.5495, 19.1158, 14.7877



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.



31.8939, 53.0928, 16.9553



41.1492, 74.1836, 17.3508



32.5370, 53.1395, 29.8567



13.0495, 14.6903, 13.8733



15.3844, 30.2285, 5.0238



1.0508, 1.9863, 0.3280

Inverse Universe

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



39.2508, 23.4944, 68.1146



52.4780, 27.8865, 97.2245



39.0859, 24.0131, 40.8308



13.4321, 13.1809, 16.4884



20.1477, 9.5107, 40.5122



1.3542, 0.6414, 2.6269

Previews

White Background



This preview shows how the XYZ color 31.8926, 53.0906, 16.9541 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 31.8926, 53.0906, 16.9541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

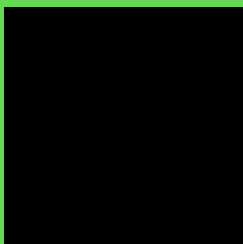
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

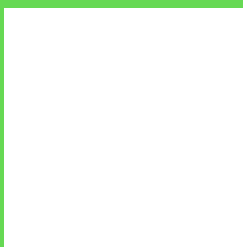
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8926, 53.0906, 16.9541

Background



This preview shows how black text looks on a background with the XYZ color 31.8926, 53.0906, 16.9541.



This preview shows how white text looks on a background with the XYZ color 31.8926, 53.0906,

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

31.8926, 53.0906, 16.9541

Protanopia

47.6298, 52.3812, 14.6214

Deuteranopia

53.3404, 52.0969, 17.8340



Tritanopia

43.4801, 52.6250, 75.5761

Trichromacy



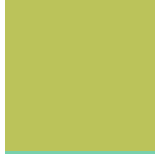
Original Color

31.8926, 53.0906, 16.9541



Protanomaly

39.5682, 51.2367, 15.3936



Deuteranomaly

41.8541, 50.3332, 17.1822



Tritanomaly

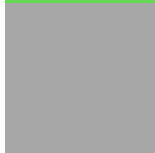
37.6523, 52.0451, 46.5893

Monochromacy



Original Color

31.8926, 53.0906, 16.9541



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.1920, 42.3437, 30.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8926, 53.0906, 16.9541 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(102, 217, 84)` looks like.

```
.text, #text, p{  
    color:rgb(102, 217, 84)  
}
```

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(102, 217, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 217, 84) }
```

Border

The CSS property to change the border of an element to XYZ 31.8926, 53.0906, 16.9541 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(102, 217, 84) }
```


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

```
.border{ border-color:rgb(102, 217, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 217, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 217, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 217, 84);  
box-shadow:4px 4px 4px 4px rgb(102, 217,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8926, 53.0906, 16.9541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 217, 84) }
```

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

```
.background{ background-color: rgb(102,  
217, 84) }
```

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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