

Converting Colors

XYZ(31.9504, 51.3100, 27.4348)

Have a look what the booklet for
XYZ(31.9504, 51.3100, 27.4348)
contains.

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Color

**XYZ(31.9465, 51.3709,
27.3006)**

Conversions

Conversions Part 1

Format	Color
Hex	5DD57C
RGB	93, 213, 124
RGB Percent	36%, 84%, 49%
CMY	0.6353, 0.1647, 0.5137
CMYK	0.56, 0.00, 0.42, 0.16
HSL	136°, 59%, 60%
HSV	136°, 56%, 84%
XYZ	31.9465, 51.3709, 27.3006
YIQ	166.9740, -42.9510, -53.1190

Conversions

Conversions Part 2

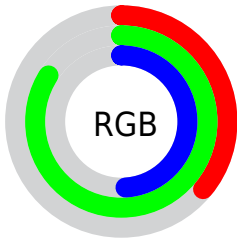
Format	Color
RYB	93, 188, 213
Decimal	6149500
CIELab	76.90, -52.80, 34.06
CIELCh	77, 62.836, 147.174
Yxy	51.3709, 0.2888, 0.4644
Android (android.graphics.Color)	4284339580 (0xFF5DD57C)
YUV	166.9740, -21.1862, -64.8752
Hunter-Lab	71.6735, -45.8671, 27.5877

Details

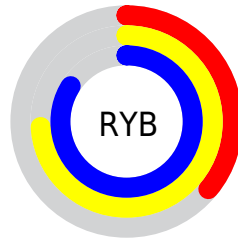
The XYZ color **31.9465, 51.3709, 27.3006** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **39.7999, 25.3531, 47.0533**, and the grayscale version is **36.8339, 38.7521, 42.2011**.

A 20% lighter version of the original color is **56.6447, 81.3697, 54.3154**, and **13.5616, 24.7468, 10.5404** is the 20% darker color. If you saturate the color by 10%, you get **29.1632, 50.0438, 22.3669**, and if you desaturate by 10%, it is **35.4928, 53.0757, 33.1077**.

Distribution



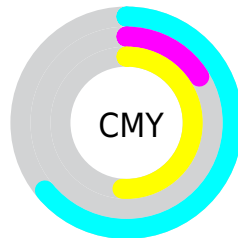
- Red (36%)
- Green (84%)
- Blue (49%)



- Red (36%)
- Yellow (74%)
- Blue (84%)



- Cyan (56%)
- Magenta (0%)
- Yellow (42%)
- Black (16%)





- Cyan (64%)
- Magenta (16%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9465, 51.3709, 27.3006 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 31.9465, 51.3709, 27.3006 by changing the saturation by 10% instead.

 31.9465, 51.3709,
27.3006


 31.9465, 51.3709,
27.3006


302.6251,
392.0031, 302.9157


 21.4760, 36.5039,
17.5647


 62.0930, 92.2028,
56.3754


 13.5868, 24.8236,
10.4717

 82.4996, 118.9364,
76.5515

 7.9136, 15.9457,
5.6031


 106.9491,
150.3944, 101.0446

 4.0911, 9.4857,
2.5405

 135.8066,
186.9611, 130.2733

 1.7538, 5.0593,
0.8615

169.4376,
229.0210, 164.6563

 0.4896, 2.2821,
0.0000

208.2075,

 0.0000, 0.7642,

276.9583, 204.6120

0.0000

252.4815,
331.1575, 250.5590

■ 0.0000, 0.0000,
0.0000

■ 31.9465, 51.3709,
27.3006

■ 31.9465, 51.3709,
27.3006

■ 29.1632, 50.0438,
22.3669

■ 35.4928, 53.0757,
33.1077

■ 27.0801, 49.0587,
18.2608

■ 39.8508, 55.1782,
39.8243

■ 25.6306, 48.3835,
14.9372

■ 45.0692, 57.7042,
47.4886

■ 24.7301, 47.9757,
12.3452

■ 51.1922, 60.6756,
56.1356

■ 24.4855, 47.8666,
11.5665

■ 58.2605, 64.1129,
65.7985

■ 66.3125, 68.0351,
76.5090

■ 75.3845, 72.4604,
88.2972

■ 82.3508, 75.7767,
101.0443

■ 83.0853, 76.0705,
104.9118

Harmonies

Analogous

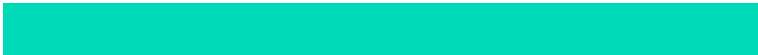
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0635, 51.3709, 15.4326



31.9465, 51.3709, 27.3006



29.2794, 51.3709, 52.7515

Triad

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



31.9465, 51.3709, 27.3006



47.7022, 51.3709, 150.8072



72.2618, 51.3709, 30.9352

Complementary

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



31.9465, 51.3709, 27.3006



39.7999, 25.3531, 47.0533

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.



75.5696, 51.3709, 59.2424



31.9465, 51.3709, 27.3006



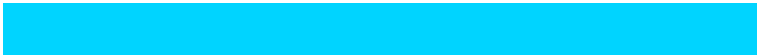
60.0941, 51.3709, 137.3107

Square

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



31.9465, 51.3709, 27.3006



37.3965, 51.3709, 131.4897



70.8003, 51.3709, 99.7446



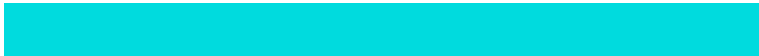
62.3763, 51.3709, 16.8491

Rectangle

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



31.9465, 51.3709, 27.3006



29.9940, 51.3709, 77.7104



70.8003, 51.3709, 99.7446



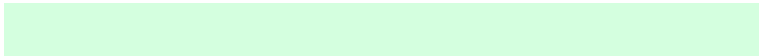
74.2435, 51.3709, 38.6612

Sweetspot

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



31.9478, 51.3730, 27.3018



76.1095, 90.7847, 83.2172



45.3003, 58.4485, 19.2503



15.8718, 19.2283, 17.2268



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.



31.9478, 51.3730, 27.3018



42.9965, 74.8126, 32.0470



36.8571, 53.3368, 53.1540



12.3928, 13.9481, 13.8828



14.9918, 29.2521, 7.2525



0.9382, 1.7779, 0.6164

Inverse Universe

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



39.7999, 25.3531, 47.0533



55.8855, 31.8977, 64.3174



34.9314, 23.4057, 21.4161



12.8096, 12.5754, 14.9378



20.5740, 10.1659, 20.8585



1.2738, 0.6263, 1.4310

Previews

White Background



This preview shows how the XYZ color 31.9465, 51.3709, 27.3006 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 31.9465, 51.3709, 27.3006 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 31.9465, 51.3709, 27.3006

Background



This preview shows how black text looks on a background with the XYZ color 31.9465, 51.3709, 27.3006.



This preview shows how white text looks on a background with the XYZ color 31.9465, 51.3709,

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

31.9465, 51.3709, 27.3006

Protanopia

46.5313, 50.3261, 23.4811

Deuteranopia

51.5375, 50.3160, 28.8254



Tritanopia

41.2466, 51.1546, 74.0296

Trichromacy



Original Color

31.9465, 51.3709, 27.3006



Protanomaly

38.7533, 49.2398, 24.6013



Deuteranomaly

40.9435, 48.6314, 27.9977



Tritanomaly

37.0297, 50.8545, 53.2116

Monochromacy



Original Color

31.9465, 51.3709, 27.3006



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.5416, 42.0908, 35.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9465, 51.3709, 27.3006 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(93, 213, 124)` looks like.

```
.text, #text, p{  
    color:rgb(93, 213, 124)  
}
```

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(93, 213, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 213, 124) }
```

Border

The CSS property to change the border of an element to XYZ 31.9465, 51.3709, 27.3006 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(93, 213, 124) }
```


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

```
.border{ border-color:rgb(93, 213, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 213, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 213, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 213, 124);  
box-shadow:4px 4px 4px 4px rgb(93, 213,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9465, 51.3709, 27.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 213, 124) }
```

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

```
.background{ background-color: rgb(93, 213,  
124) }
```

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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