

Converting Colors

XYZ(31.2106, 50.1664, 31.0063)

Have a look what the booklet for
XYZ(31.2106, 50.1664, 31.0063)
contains.

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Color

**XYZ(31.2347, 50.1768,
30.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	53D387
RGB	83, 211, 135
RGB Percent	33%, 83%, 53%
CMY	0.6745, 0.1725, 0.4706
CMYK	0.61, 0.00, 0.36, 0.17
HSL	144°, 59%, 58%
HSV	144°, 61%, 83%
XYZ	31.2347, 50.1768, 30.9605
YIQ	164.0640, -51.8920, -50.7720

Conversions

Conversions Part 2

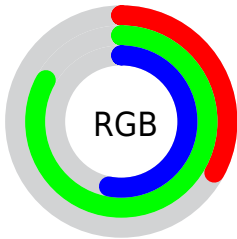
Format	Color
RYB	83, 174, 211
Decimal	5493639
CIELab	76.18, -52.28, 27.41
CIELCh	76, 59.028, 152.330
Yxy	50.1768, 0.2780, 0.4465
Android (android.graphics.Color)	4283683719 (0xFF53D387)
YUV	164.0640, -14.3286, -71.0931
Hunter-Lab	70.8356, -45.2533, 23.6707

Details

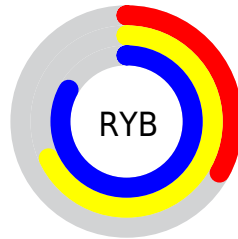
The XYZ color **31.2347, 50.1768, 30.9605** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **36.2168, 22.5396, 35.2443**, and the grayscale version is **35.4019, 37.2455, 40.5604**.

A 20% lighter version of the original color is **56.2730, 81.0338, 60.8193**, and **13.3216, 24.0828, 12.3338** is the 20% darker color. If you saturate the color by 10%, you get **28.8179, 49.0283, 26.5112**, and if you desaturate by 10%, it is **34.3242, 51.6629, 35.9854**.

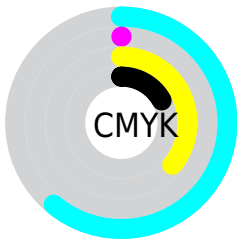
Distribution



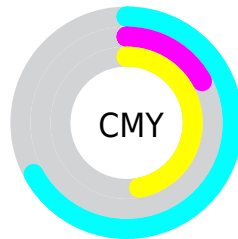
- Red (33%)
- Green (83%)
- Blue (53%)



- Red (33%)
- Yellow (68%)
- Blue (83%)



- Cyan (61%)
- Magenta (0%)
- Yellow (36%)
- Black (17%)





- Cyan (67%)
- Magenta (17%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2347, 50.1768, 30.9605 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 31.2347, 50.1768, 30.9605 by changing the saturation by 10% instead.


 31.2347, 50.1768,
30.9605


 31.2347, 50.1768,
30.9605


299.4257,
387.3569, 320.7019


 20.9303, 35.5539,
20.3106


 60.9827, 90.4368,
62.2567


 13.1853, 24.0899,
12.4347


 81.1571, 116.8426,
83.7401

 7.6341, 15.4003,
6.9143


 105.3522,
147.9449, 109.6717

 3.9116, 9.1008,
3.3309

 133.9333,
184.1281, 140.4700

 1.6522, 4.8070,
1.2660

167.2659,
225.7765, 176.5537

 0.4261, 2.1345,
0.0337

205.7153,

 0.0000, 0.6839,

273.2745, 218.3412

0.0000

249.6468,
327.0065, 266.2511

■ 0.0000, 0.0000,
0.0000

■ 31.2347, 50.1768,
30.9605

■ 31.2347, 50.1768,
30.9605

■ 28.8179, 49.0283,
26.5112

■ 34.3242, 51.6629,
35.9854

■ 27.0132, 48.1824,
22.6126

■ 38.1326, 53.5058,
41.6027

■ 25.7548, 47.6069,
19.2431

■ 42.7062, 55.7304,
47.8324

■ 24.9636, 47.2578,
16.5509

■ 48.0862, 58.3576,
54.6929

■ 54.3107, 61.4067,
62.2015

■ 61.4154, 64.8958,
70.3749

■ 69.4340, 68.8419,
79.2293

■ 78.3982, 73.2609,
88.7802

■ 81.4410, 74.6127,
98.7197

Harmonies

Analogous

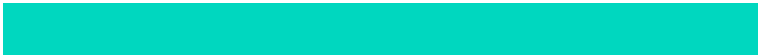
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2031, 50.1768, 17.6501



31.2347, 50.1768, 30.9605



29.4498, 50.1768, 57.1469

Triad

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



31.2347, 50.1768, 30.9605



48.5611, 50.1768, 140.8240



68.0014, 50.1768, 28.1163

Complementary

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



31.2347, 50.1768, 30.9605



36.2168, 22.5396, 35.2443

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.



72.2386, 50.1768, 52.1958



31.2347, 50.1768, 30.9605



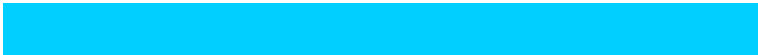
59.9864, 50.1768, 123.9045

Square

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



31.2347, 50.1768, 30.9605



38.4862, 50.1768, 128.2267



69.1022, 50.1768, 88.0588



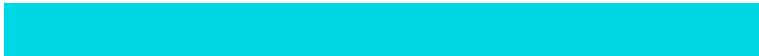
58.2588, 50.1768, 16.5101

Rectangle

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



31.2347, 50.1768, 30.9605



30.6079, 50.1768, 81.1810



69.1022, 50.1768, 88.0588



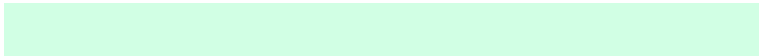
70.1793, 50.1768, 34.6150

Sweetspot

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



31.2360, 50.1788, 30.9616



76.0512, 90.6773, 86.7087



39.3145, 54.6683, 16.6640



15.7097, 19.1306, 17.8588



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.



31.2360, 50.1788, 30.9616



43.2739, 74.8078, 38.7339



37.0792, 52.5161, 61.7317



11.8525, 13.2848, 13.5797



15.1128, 28.5381, 10.2403



0.8839, 1.6112, 0.7774

Inverse Universe

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



36.2168, 22.5396, 35.2443



51.5338, 28.7678, 45.6848



32.0607, 20.8772, 13.3586



12.0991, 11.9244, 13.7975



18.5092, 9.2765, 12.8536



1.0737, 0.5342, 0.9230

Previews

White Background



This preview shows how the XYZ color 31.2347, 50.1768, 30.9605 looks on a white background.

Color Contrast Check

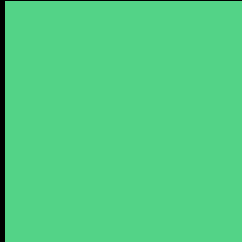
Large Text (above 18pt) WCAG AA × Fail

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 31.2347, 50.1768, 30.9605 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

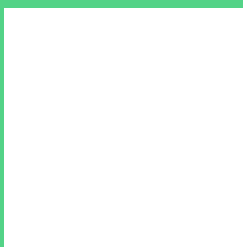
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2347, 50.1768, 30.9605

Background



This preview shows how black text looks on a background with the XYZ color 31.2347, 50.1768, 30.9605.



This preview shows how white text looks on a background with the XYZ color 31.2347, 50.1768,

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

31.2347, 50.1768, 30.9605

Protanopia

45.6177, 49.1550, 26.4856

Deuteranopia

50.2160, 49.2533, 32.4513



Tritanopia

39.5954, 49.9712, 73.2041

Trichromacy



Original Color

31.2347, 50.1768, 30.9605



Protanomaly

37.7756, 47.9861, 28.0401



Deuteranomaly

39.8686, 47.6717, 31.5264



Tritanomaly

35.9466, 49.9031, 54.7514

Monochromacy



Original Color

31.2347, 50.1768, 30.9605



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.2653, 40.4986, 36.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2347, 50.1768, 30.9605 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(83, 211, 135)` looks like.

```
.text, #text, p{  
    color:rgb(83, 211, 135)  
}
```

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(83, 211, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 211, 135) }
```

Border

The CSS property to change the border of an element to XYZ 31.2347, 50.1768, 30.9605 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(83, 211, 135) }
```


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

```
.border{ border-color:rgb(83, 211, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 211, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 211, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 211, 135);  
box-shadow:4px 4px 4px 4px rgb(83, 211,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2347, 50.1768, 30.9605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 211, 135) }
```

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

```
.background{ background-color: rgb(83, 211,  
135) }
```

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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