

Converting Colors

XYZ(31.6570, 49.3544, 10.6622)

Have a look what the booklet for
XYZ(31.6570, 49.3544, 10.6622)
contains.

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Color

**XYZ(31.5987, 49.3511,
10.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	7FCF30
RGB	127, 207, 48
RGB Percent	50%, 81%, 19%
CMY	0.5020, 0.1882, 0.8117
CMYK	0.39, 0.00, 0.77, 0.19
HSL	90°, 62%, 50%
HSV	90°, 77%, 81%
XYZ	31.5987, 49.3511, 10.6566
YIQ	164.9540, 3.3590, -66.4090

Conversions

Conversions Part 2

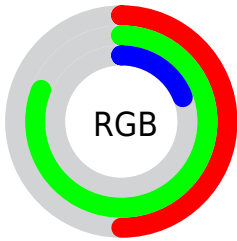
Format	Color
RYB	48, 207, 128
Decimal	8376112
CIELab	75.67, -48.75, 65.88
CIElCh	76, 81.958, 126.500
Yxy	49.3511, 0.3449, 0.5387
Android (android.graphics.Color)	4286566192 (0xFF7FCF30)
YUV	164.9540, -57.6583, -33.2857
Hunter-Lab	70.2503, -42.6485, 40.1813

Details

The XYZ color **31.5987, 49.3511, 10.6566** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **21.2241, 11.2098, 60.0794**, and the grayscale version is **36.0103, 37.8856, 41.2574**.

A 20% lighter version of the original color is **58.3691, 82.8749, 26.5558**, and **13.6121, 23.6854, 3.8543** is the 20% darker color. If you saturate the color by 10%, you get **29.7955, 48.4615, 8.8392**, and if you desaturate by 10%, it is **33.7638, 50.4074, 13.5327**.

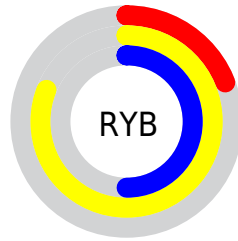
Distribution



Red (50%)

Green (81%)

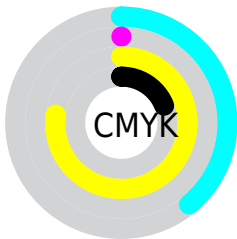
Blue (19%)



Red (19%)

Yellow (81%)

Blue (50%)

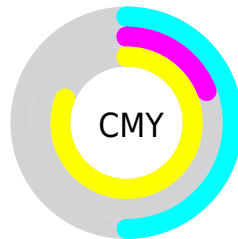


Cyan (39%)

Magenta (0%)

Yellow (77%)

Black (19%)



Cyan (50%)

Magenta (19%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5987, 49.3511, 10.6566 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 31.5987, 49.3511, 10.6566 by changing the saturation by 10% instead.


 31.5987, 49.3511,
10.6566


 31.5987, 49.3511,
10.6566


301.0650,
384.1229, 205.9484

 21.2092, 34.8981,
5.7252


 61.5509, 89.2127,
27.6503


 13.3904, 23.5844,
2.6126


 81.8443, 115.3900,
40.5496


 7.7767, 15.0256,
0.8990


 106.1698,
146.2443, 56.9420

 4.0030, 8.8374,
0.0000

 134.8926,
182.1599, 77.2459

 1.7038, 4.6352,
0.0000

 168.3782,
223.5211, 101.8800

 0.4587, 2.0349,
0.0000

 206.9919,

 0.0000, 0.6276,

270.7124, 131.2627

0.0000

251.0990,
324.1182, 165.8127

■ 0.0000, 0.0000,
0.0000

■ 31.5987, 49.3511,
10.6566

■ 31.5987, 49.3511,
10.6566

■ 29.7955, 48.4615,
8.8392

■ 33.7638, 50.4074,
13.5327

■ 28.3138, 47.7167,
7.9076


■ 36.3166, 51.6362,
17.5939


■ 27.8895, 47.5021,
7.6989

■ 39.2836, 53.0502,
22.9520


■ 42.6878, 54.6592,
29.7051

■ 46.5502, 56.4720,
37.9421

 50.8900, 58.4968,
47.7441

 55.7255, 60.7413,
59.1865

 61.0737, 63.2128,
72.3400

 66.9509, 65.9183,
87.2710

Harmonies

Analogous

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



43.6793, 49.3511, 6.1220



31.5987, 49.3511, 10.6566



24.9080, 49.3511, 26.8198

Triad

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



31.5987, 49.3511, 10.6566



36.2042, 49.3511, 172.6296



82.2947, 49.3511, 44.8160

Complementary

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



31.5987, 49.3511, 10.6566



21.2241, 11.2098, 60.0794

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.



79.0889, 49.3511, 94.4343



31.5987, 49.3511, 10.6566



50.2894, 49.3511, 186.9320

Square

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



31.5987, 49.3511, 10.6566



27.1383, 49.3511, 120.3729



66.4990, 49.3511, 152.8340



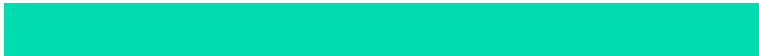
74.4995, 49.3511, 17.7716

Rectangle

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



31.5987, 49.3511, 10.6566



23.3883, 49.3511, 48.7921



66.4990, 49.3511, 152.8340



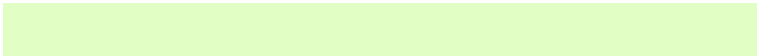
82.4887, 49.3511, 59.0009

Sweetspot

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



31.5998, 49.3532, 10.6577



76.9675, 91.6076, 66.0591



33.9218, 28.7892, 6.5660



15.9500, 19.3628, 12.9762



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.



31.5998, 49.3532, 10.6577



46.1987, 76.8863, 13.0863



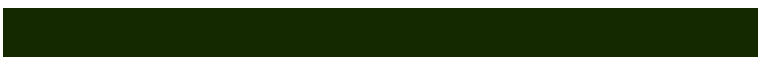
24.0668, 45.4698, 10.3051



12.2078, 13.4905, 12.5726



17.6798, 29.9832, 4.8555



1.0801, 1.7236, 0.2758

Inverse Universe

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



21.2241, 11.2098, 60.0794



28.8626, 13.1760, 95.6297



38.0536, 19.8857, 60.8670



11.7224, 11.7057, 14.8852



10.8137, 4.7550, 37.5403



0.6961, 0.3130, 2.1033

Previews

White Background



This preview shows how the XYZ color 31.5987, 49.3511, 10.6566 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 31.5987, 49.3511, 10.6566 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 31.5987, 49.3511, 10.6566

Background



This preview shows how black text looks on a background with the XYZ color 31.5987, 49.3511, 10.6566.



This preview shows how white text looks on a background with the XYZ color 31.5987, 49.3511,

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

31.5987, 49.3511, 10.6566

Protanopia

44.0074, 48.7021, 9.3665

Deuteranopia

49.6735, 48.5543, 11.3113



Tritanopia

42.8496, 49.0836, 66.8902

Trichromacy



Original Color

31.5987, 49.3511, 10.6566



Protanomaly

38.3558, 48.3567, 9.7948



Deuteranomaly

40.7570, 47.3054, 10.8536



Tritanomaly

36.6836, 48.2529, 36.2345

Monochromacy



Original Color

31.5987, 49.3511, 10.6566



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.5966, 40.6270, 24.5361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5987, 49.3511, 10.6566 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(127, 207, 48)` looks like.

```
.text, #text, p{  
    color:rgb(127, 207, 48)  
}
```

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(127, 207, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 207, 48) }
```

Border

The CSS property to change the border of an element to XYZ 31.5987, 49.3511, 10.6566 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(127, 207, 48) }
```


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

```
.border{ border-color:rgb(127, 207, 48) }
```

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

Here you see how a box with a 4 pixel rgb(127, 207, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 207, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 207, 48);  
box-shadow:4px 4px 4px 4px rgb(127, 207,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5987, 49.3511, 10.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 207, 48) }
```

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

```
.background{ background-color: rgb(127,  
207, 48) }
```

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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