

Converting Colors

XYZ(31.6922, 50.1328, 21.4792)

Have a look what the booklet for
XYZ(31.6922, 50.1328, 21.4792)
contains.

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Color

**XYZ(31.7807, 50.3013,
21.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD269
RGB	108, 210, 105
RGB Percent	42%, 82%, 41%
CMY	0.5765, 0.1765, 0.5882
CMYK	0.49, 0.00, 0.50, 0.18
HSL	118°, 54%, 62%
HSV	118°, 50%, 82%
XYZ	31.7807, 50.3013, 21.3987
YIQ	167.5320, -27.0870, -54.2790

Conversions

Conversions Part 2

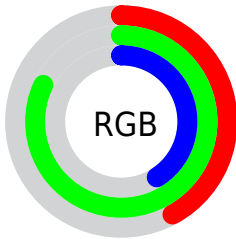
Format	Color
RYB	105, 210, 207
Decimal	7131753
CIELab	76.25, -50.61, 42.78
CIELCh	76, 66.265, 139.792
Yxy	50.3013, 0.3071, 0.4861
Android (android.graphics.Color)	4285321833 (0xFF6CD269)
YUV	167.5320, -30.8283, -52.2096
Hunter-Lab	70.9234, -44.1303, 31.7577

Details

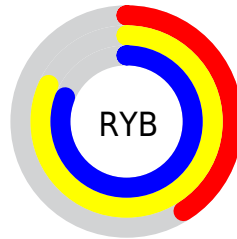
The XYZ color **31.7807, 50.3013, 21.3987** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.4194, 28.0235, 64.1489**, and the grayscale version is **37.1468, 39.0813, 42.5595**.

A 20% lighter version of the original color is **57.4486, 81.9880, 45.1452**, and **13.5595, 24.3134, 7.4683** is the 20% darker color. If you saturate the color by 10%, you get **28.6346, 48.7906, 16.2963**, and if you desaturate by 10%, it is **35.7763, 52.2221, 27.9340**.

Distribution



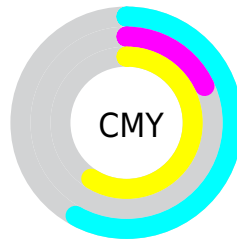
- Red (42%)
- Green (82%)
- Blue (41%)



- Red (41%)
- Yellow (82%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)



- Cyan (58%)
- Magenta (18%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7807, 50.3013, 21.3987 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 31.7807, 50.3013, 21.3987 by changing the saturation by 10% instead.

■ 31.7807, 50.3013,
21.3987

■ 31.7807, 50.3013,
21.3987

301.8821,
387.8430, 272.2401

■ 21.3488, 35.6529,
13.2217

■ 61.8347, 90.6211,
46.6395

■ 13.4931, 24.1662,
7.4489

■ 82.1874, 117.0613,
64.5404

■ 7.8483, 15.4570,
3.6617

■ 106.5778,
148.2009, 86.5196

■ 4.0490, 9.1407,
1.4416

■ 135.3712,
184.4242, 112.9958

■ 1.7299, 4.8331,
0.1739

168.9330,
226.1157, 144.3873

■ 0.4749, 2.1497,
0.0000

207.6285,

■ 0.0000, 0.6923,

273.6597, 181.1129

0.0000

251.8231,
327.4407, 223.5910

■ 0.0000, 0.0000,
0.0000

■ 31.7807, 50.3013,
21.3987

■ 31.7807, 50.3013,
21.3987

■ 28.6346, 48.7906,
16.2963

■ 35.7763, 52.2221,
27.9340

■ 26.2732, 47.6545,
12.5164

■ 40.6727, 54.5729,
35.9952

■ 24.6285, 46.8620,
9.9379

■ 46.5217, 57.3801,
45.6713

■ 23.6192, 46.3743,
8.4158


■ 53.3699, 60.6658,
57.0435


■ 23.1227, 46.1340,
7.6861

■ 61.2609, 64.4510,
70.1875

 23.1227, 46.1340,
7.6861

 70.2358, 68.7554,
85.1746

 80.3334, 73.5973,
102.0720

 82.3376, 74.5753,
104.6625

Harmonies

Analogous

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



40.1648, 50.3013, 12.3100



31.7807, 50.3013, 21.3987



27.9337, 50.3013, 43.5120

Triad

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



31.7807, 50.3013, 21.3987



43.6979, 50.3013, 153.5351



74.0101, 50.3013, 34.7072

Complementary

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



31.7807, 50.3013, 21.3987



42.4194, 28.0235, 64.1489

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.



75.4018, 50.3013, 67.8185



31.7807, 50.3013, 21.3987



56.3683, 50.3013, 147.7249

Square

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



31.7807, 50.3013, 21.3987



33.9803, 50.3013, 125.4436



68.4852, 50.3013, 111.9100



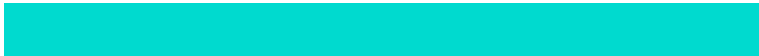
64.9593, 50.3013, 17.3611

Rectangle

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



31.7807, 50.3013, 21.3987



27.9127, 50.3013, 67.2557



68.4852, 50.3013, 111.9100



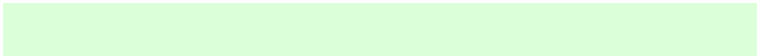
75.4427, 50.3013, 43.9332

Sweetspot

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



31.7819, 50.3034, 21.3998



77.1180, 91.3978, 79.0523



51.3224, 59.1080, 22.0694



16.0307, 19.3346, 16.1307



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.



31.7819, 50.3034, 21.3998



44.1459, 75.5660, 24.8293



34.7067, 51.4319, 38.6715



11.6871, 13.2221, 12.5482



14.1182, 28.1472, 4.6888



0.8006, 1.5796, 0.2627

Inverse Universe

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



42.4194, 28.0235, 64.1489



62.4529, 37.1638, 98.4894



38.0648, 26.3793, 36.8054



12.2761, 11.9911, 14.9112



22.3019, 10.6773, 38.0780



1.2577, 0.6025, 2.1296

Previews

White Background



This preview shows how the XYZ color 31.7807, 50.3013, 21.3987 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 31.7807, 50.3013, 21.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

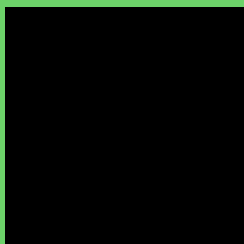
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7807, 50.3013, 21.3987

Background



This preview shows how black text looks on a background with the XYZ color 31.7807, 50.3013, 21.3987.

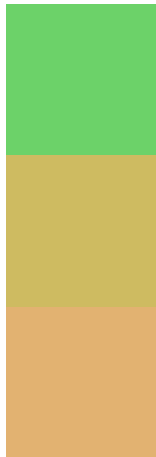


This preview shows how white text looks on a background with the XYZ color 31.7807, 50.3013,

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

31.7807, 50.3013, 21.3987

Protanopia

45.3816, 49.5255, 18.4768

Deuteranopia

50.2651, 49.2018, 22.4704



Tritanopia

41.6918, 50.0685, 71.0851

Trichromacy



Original Color

31.7807, 50.3013, 21.3987



Protanomaly

38.3929, 48.4964, 19.3938



Deuteranomaly

40.7564, 48.0200, 21.8725



Tritanomaly

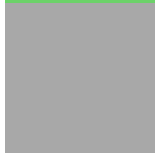
36.9289, 49.5080, 47.6540

Monochromacy



Original Color

31.7807, 50.3013, 21.3987



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.8984, 42.0223, 33.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7807, 50.3013, 21.3987 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(108, 210, 105)` looks like.

```
.text, #text, p{  
    color:rgb(108, 210, 105)  
}
```

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(108, 210, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 210, 105) }
```

Border

The CSS property to change the border of an element to XYZ 31.7807, 50.3013, 21.3987 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(108, 210, 105) }
```


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

```
.border{ border-color:rgb(108, 210, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 210, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 210, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 210, 105);  
box-shadow:4px 4px 4px 4px rgb(108, 210,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7807, 50.3013, 21.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 210, 105) }
```

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

```
.background{ background-color: rgb(108,  
210, 105) }
```

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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