

Converting Colors

XYZ(30.7162, 51.4297, 13.1847)

Have a look what the booklet for
XYZ(30.7162, 51.4297, 13.1847)
contains.

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Color

**XYZ(30.6809, 51.4064,
13.1559)**

Conversions

Conversions Part 1

Format	Color
Hex	68D640
RGB	104, 214, 64
RGB Percent	41%, 84%, 25%
CMY	0.5922, 0.1608, 0.7490
CMYK	0.51, 0.00, 0.70, 0.16
HSL	104°, 65%, 55%
HSV	104°, 70%, 84%
XYZ	30.6809, 51.4064, 13.1559
YIQ	164.0100, -17.4100, -69.9700

Conversions

Conversions Part 2

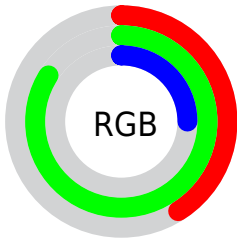
Format	Color
RYB	64, 214, 174
Decimal	6870592
CIELab	76.92, -57.55, 61.34
CIELCh	77, 84.110, 133.173
Yxy	51.4064, 0.3221, 0.5397
Android (android.graphics.Color)	4285060672 (0xFF68D640)
YUV	164.0100, -49.3049, -52.6288
Hunter-Lab	71.6983, -49.0888, 39.3097

Details

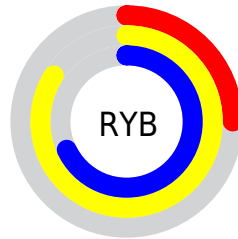
The XYZ color **30.6809, 51.4064, 13.1559** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **31.4297, 17.5225, 65.3469**, and the grayscale version is **35.5259, 37.3760, 40.7025**.

A 20% lighter version of the original color is **54.4600, 80.7686, 30.4889**, and **12.9200, 24.8110, 4.1081** is the 20% darker color. If you saturate the color by 10%, you get **28.5300, 50.3565, 10.4638**, and if you desaturate by 10%, it is **33.4069, 52.7289, 17.0961**.

Distribution



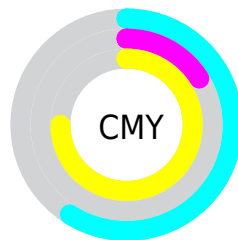
- Red (41%)
- Green (84%)
- Blue (25%)



- Red (25%)
- Yellow (84%)
- Blue (68%)



- Cyan (51%)
- Magenta (0%)
- Yellow (70%)
- Black (16%)



- Cyan (59%)
- Magenta (16%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6809, 51.4064, 13.1559 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 30.6809, 51.4064, 13.1559 by changing the saturation by 10% instead.

■ 30.6809, 51.4064,
13.1559

■ 30.6809, 51.4064,
13.1559

296.9187,
392.1407, 223.1572

■ 20.5066, 36.5321,
7.4040

■ 60.1166, 92.2552,
32.2789

■ 12.8742, 24.8455,
3.6338

■ 80.1087, 118.9986,
46.4870

■ 7.4184, 15.9620,
1.4267

■ 104.1042,
150.4671, 64.3510

■ 3.7738, 9.4972,
0.1624

■ 132.4683,
187.0451, 86.2893

■ 1.5750, 5.0669,
0.0000

■ 165.5665,
229.1171, 112.7206

■ 0.3760, 2.2866,
0.0000

203.7640,

■ 0.0000, 0.7666,

277.0674, 144.0633

0.0000

247.4263,
331.2805, 180.7360

■ 0.0000, 0.0000,
0.0000

■ 30.6809, 51.4064,
13.1559

■ 30.6809, 51.4064,
13.1559

■ 28.5300, 50.3565,
10.4638

■ 33.4069, 52.7289,
17.0961

■ 26.9032, 49.5515,
8.8659

■ 36.7456, 54.3360,
22.4077

■ 25.7384, 48.9669,
8.0950

■ 40.7355, 56.2465,
29.2032

■ 45.4105, 58.4760,
37.5822

■ 50.8021, 61.0385,
47.6359

■ 56.9399, 63.9476,
59.4486

■ 63.8517, 67.2158,
73.0988

■ 71.5638, 70.8550,
88.6602

■ 79.8410, 74.7727,
104.8322

Harmonies

Analogous

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



42.1759, 51.4064, 6.5382



30.6809, 51.4064, 13.1559



24.9227, 51.4064, 34.1355

Triad

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



30.6809, 51.4064, 13.1559



40.4804, 51.4064, 189.8552



85.3768, 51.4064, 38.1909

Complementary

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



30.6809, 51.4064, 13.1559



31.4297, 17.5225, 65.3469

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.



84.6419, 51.4064, 85.5666



30.6809, 51.4064, 13.1559



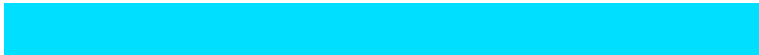
56.2160, 51.4064, 193.1586

Square

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



30.6809, 51.4064, 13.1559



29.6744, 51.4064, 140.5467



73.0914, 51.4064, 148.0183



74.9217, 51.4064, 14.7285

Rectangle

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



30.6809, 51.4064, 13.1559



24.1202, 51.4064, 60.9953



73.0914, 51.4064, 148.0183



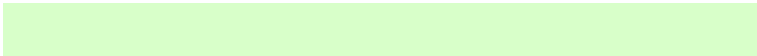
86.4881, 51.4064, 51.2339

Sweetspot

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



30.6821, 51.4086, 13.1570



74.5943, 90.3158, 69.0374



43.7953, 44.9409, 11.2175



15.4715, 19.0963, 13.8466



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.



30.6821, 51.4086, 13.1570



41.1843, 74.2705, 14.2446



28.4147, 50.0864, 19.9757



12.5699, 14.0545, 13.2110



15.6413, 29.6397, 4.8967



1.0222, 1.8283, 0.2990

Inverse Universe

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



31.4297, 17.5225, 65.3469



42.0952, 20.7826, 96.4005



37.7037, 21.2191, 44.7587



12.6150, 12.4584, 15.6774



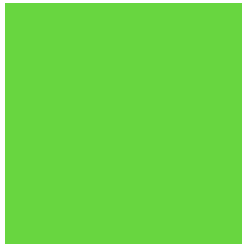
15.8372, 7.3169, 39.0307



1.0317, 0.4807, 2.3577

Previews

White Background



This preview shows how the XYZ color 30.6809, 51.4064, 13.1559 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 30.6809, 51.4064, 13.1559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

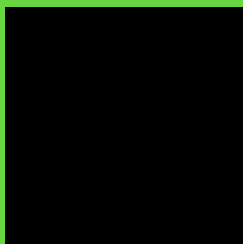
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

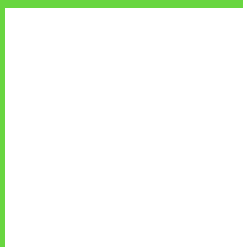
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6809, 51.4064, 13.1559

Background



This preview shows how black text looks on a background with the XYZ color 30.6809, 51.4064, 13.1559.

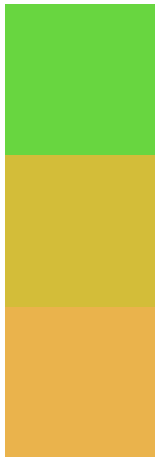


This preview shows how white text looks on a background with the XYZ color 30.6809, 51.4064,

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

30.6809, 51.4064, 13.1559

Protanopia

45.8001, 50.5395, 11.2121

Deuteranopia

51.3563, 50.2544, 13.8308



Tritanopia

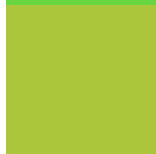
42.5647, 51.1720, 72.5995

Trichromacy



Original Color

30.6809, 51.4064, 13.1559



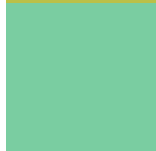
Protanomaly

38.0230, 49.4851, 11.8225



Deuteranomaly

40.5129, 48.7319, 13.4018



Tritanomaly

36.2904, 50.3734, 41.5286

Monochromacy



Original Color

30.6809, 51.4064, 13.1559



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.7796, 40.7652, 26.6156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6809, 51.4064, 13.1559 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(104, 214, 64)` looks like.

```
.text, #text, p{  
    color:rgb(104, 214, 64)  
}
```

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(104, 214, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 214, 64) }
```

Border

The CSS property to change the border of an element to XYZ 30.6809, 51.4064, 13.1559 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(104, 214, 64) }
```


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

```
.border{ border-color:rgb(104, 214, 64) }
```

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

Here you see how a box with a 4 pixel rgb(104, 214, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 214, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 214, 64);  
box-shadow:4px 4px 4px 4px rgb(104, 214,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6809, 51.4064, 13.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 214, 64) }
```

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

```
.background{ background-color: rgb(104,  
214, 64) }
```

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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