

Converting Colors

XYZ(30.5962, 57.9217, 20.2819)

Have a look what the booklet for
XYZ(30.5962, 57.9217, 20.2819)
contains.

XYZ(30.6415, 57.9781, 20.4024)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.6415, 57.9781,
20.4024)**

Conversions

Conversions Part 1

Format	Color
Hex	00E75F
RGB	0, 231, 95
RGB Percent	0%, 91%, 37%
CMY	1.0000, 0.0941, 0.6274
CMYK	1.00, 0.00, 0.59, 0.09
HSL	145°, 100%, 45%
HSV	145°, 100%, 91%
XYZ	30.6415, 57.9781, 20.4024
YIQ	146.4270, -94.0200, -91.2680

Conversions

Conversions Part 2

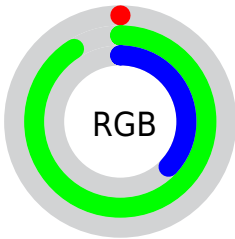
Format	Color
RYB	0, 164, 231
Decimal	59231
CIELab	80.73, -74.08, 52.32
CIELCh	81, 90.697, 144.767
Yxy	57.9781, 0.2811, 0.5318
Android (android.graphics.Color)	4278249311 (0xFF00E75F)
YUV	146.4270, -25.3535, -128.4165
Hunter-Lab	76.1434, -61.4191, 37.4138

Details

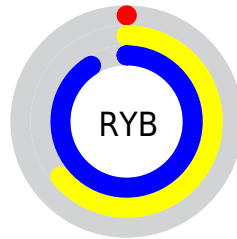
The XYZ color **30.6415, 57.9781, 20.4024** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **37.4010, 18.7676, 24.9472**, and the grayscale version is **27.6277, 29.0665, 31.6535**.

A 20% lighter version of the original color is **47.6152, 77.0049, 40.7876**, and **15.5191, 30.4253, 7.0622** is the 20% darker color. If you saturate the color by 10%, you get **30.6426, 57.9803, 20.4024**, and if you desaturate by 10%, it is **31.6720, 58.4332, 23.9661**.

Distribution



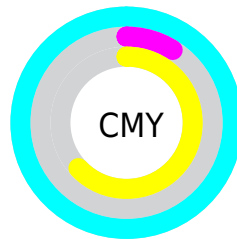
- Red (0%)
- Green (91%)
- Blue (37%)



- Red (0%)
- Yellow (64%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6415, 57.9781, 20.4024 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 30.6415, 57.9781, 20.4024 by changing the saturation by 10% instead.


 30.6415, 57.9781,
20.4024


 30.6415, 57.9781,
20.4024


296.7398,
417.1043, 266.7612


 20.4765, 41.7910,
12.5009


 60.0549, 101.8910,
44.9586


 12.8522, 28.9377,
6.9591


 80.0340, 130.3856,
62.4504


 7.4031, 19.0337,
3.3585


 104.0152,
163.7515, 83.9761

 3.7640, 11.6946,
1.2805

 132.3638,
202.3731, 109.9542

 1.5695, 6.5361,
0.0457

 165.4452,
246.6348, 140.8032

 0.3724, 3.1737,
0.0000

203.6248,

 0.0000, 1.2231,

296.9209, 176.9417

0.0000

247.2678,
353.6160, 218.7882

■ 0.0000, 0.0804,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.6415, 57.9781,
20.4024

■ 30.6415, 57.9781,
20.4024

■ 30.6426, 57.9803,
20.4024

■ 31.6720, 58.4332,
23.9661

■ 33.2388, 59.1501,
28.1443

■ 35.4835, 60.2027,
32.9703

■ 38.4891, 61.6336,
38.4719

■ 42.3261, 63.4783,
44.6752

■ 47.0565, 65.7684,
51.6044

■ 52.7359, 68.5321,
59.2829

■ 59.4155, 71.7955,
67.7327

■ 67.1426, 75.5824,
76.9749

Harmonies

Analogous

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



41.3715, 57.9781, 8.1871



30.6415, 57.9781, 20.4024



26.4910, 57.9781, 54.1932

Triad

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



30.6415, 57.9781, 20.4024



51.8912, 57.9781, 231.2721



94.6369, 57.9781, 29.0638

Complementary

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



30.6415, 57.9781, 20.4024



37.4010, 18.7676, 24.9472

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.



99.2386, 57.9781, 72.9952



30.6415, 57.9781, 20.4024



71.5875, 57.9781, 210.4365

Square

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



30.6415, 57.9781, 20.4024



36.8540, 57.9781, 190.1636



90.0108, 57.9781, 143.1387



78.5663, 57.9781, 10.8374

Rectangle

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



30.6415, 57.9781, 20.4024



27.1332, 57.9781, 93.1890



90.0108, 57.9781, 143.1387



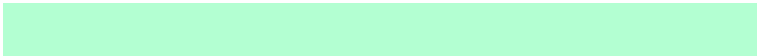
97.7100, 57.9781, 40.3462

Sweetspot

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



30.6429, 57.9805, 20.4037



65.8629, 85.6954, 74.0162



39.1589, 62.6092, 10.0212



13.4225, 18.0135, 14.9473



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.



30.6429, 57.9805, 20.4037



38.3030, 72.5372, 25.3110



39.9506, 61.7035, 69.4173



14.4338, 16.1870, 16.5493



17.2362, 32.5266, 11.7441



1.3189, 2.4217, 1.1061

Inverse Universe

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



37.4010, 18.7676, 24.9472



46.7558, 23.4663, 30.9756



33.1122, 17.0521, 2.3625



14.7312, 14.5097, 16.7849



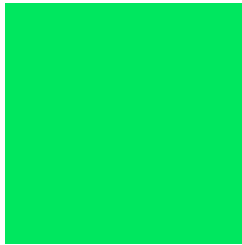
21.0296, 10.5461, 14.3169



1.5999, 0.7977, 1.2997

Previews

White Background



This preview shows how the XYZ color 30.6415, 57.9781, 20.4024 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 30.6415, 57.9781, 20.4024 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 30.6415, 57.9781, 20.4024

Background



This preview shows how black text looks on a background with the XYZ color 30.6415, 57.9781, 20.4024.

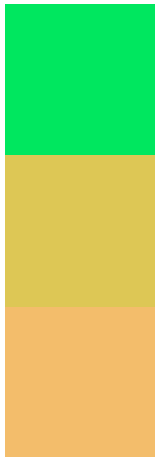


This preview shows how white text looks on a background with the XYZ color 30.6415, 57.9781,

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

30.6415, 57.9781, 20.4024

Protanopia

51.8819, 56.8749, 16.8378

Deuteranopia

57.8136, 56.5114, 21.7706



Tritanopia

43.9785, 57.7904, 86.6786

Trichromacy



Original Color

30.6415, 57.9781, 20.4024



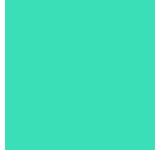
Protanomaly

36.0819, 52.9725, 17.7742



Deuteranomaly

37.5586, 51.1336, 20.7222



Tritanomaly

36.4134, 56.5610, 53.7979

Monochromacy



Original Color

30.6415, 57.9781, 20.4024



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.0671, 35.3037, 25.6245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6415, 57.9781, 20.4024 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(0, 231, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 95)  
}
```

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(0, 231, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 95) }
```

Border

The CSS property to change the border of an element to XYZ 30.6415, 57.9781, 20.4024 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(0, 231, 95) }
```


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

```
.border{ border-color:rgb(0, 231, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 231, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6415, 57.9781, 20.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 95) }
```

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

```
.background{ background-color: rgb(0, 231,  
95) }
```

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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