

Converting Colors

XYZ(31.8899, 60.3337, 17.1751)

Have a look what the booklet for
XYZ(31.8899, 60.3337, 17.1751)
contains.

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Color

**XYZ(31.9202, 60.3981,
17.1834)**

Conversions

Conversions Part 1

Format	Color
Hex	27EB4E
RGB	39, 235, 78
RGB Percent	15%, 92%, 31%
CMY	0.8471, 0.0784, 0.6941
CMYK	0.83, 0.00, 0.67, 0.08
HSL	132°, 83%, 54%
HSV	132°, 83%, 92%
XYZ	31.9202, 60.3981, 17.1834
YIQ	158.4980, -66.4190, -90.3790

Conversions

Conversions Part 2

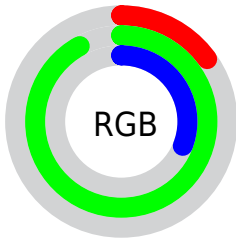
Format	Color
RYB	39, 202, 235
Decimal	2616142
CIELab	82.05, -75.10, 60.98
CIELCh	82, 96.739, 140.925
Yxy	60.3981, 0.2915, 0.5516
Android (android.graphics.Color)	4280806222 (0xFF27EB4E)
YUV	158.4980, -39.6855, -104.7997
Hunter-Lab	77.7162, -62.6885, 41.2921

Details

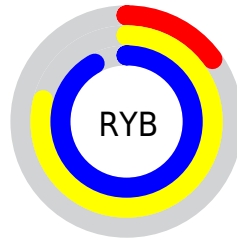
The XYZ color **31.9202, 60.3981, 17.1834** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **44.9518, 23.0996, 54.3143**, and the grayscale version is **32.9239, 34.6385, 37.7213**.

A 20% lighter version of the original color is **48.0197, 77.3510, 34.5896**, and **15.7714, 31.4640, 5.5004** is the 20% darker color. If you saturate the color by 10%, you get **30.7089, 59.8426, 14.0946**, and if you desaturate by 10%, it is **33.8775, 61.3194, 21.3179**.

Distribution



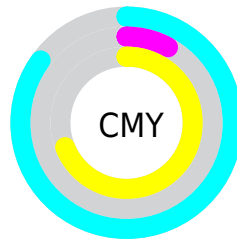
- Red (15%)
- Green (92%)
- Blue (31%)



- Red (15%)
- Yellow (79%)
- Blue (92%)



- Cyan (83%)
- Magenta (0%)
- Yellow (67%)
- Black (8%)



- Cyan (85%)
- Magenta (8%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9202, 60.3981, 17.1834 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 31.9202, 60.3981, 17.1834 by changing the saturation by 10% instead.

31.9202, 60.3981,
17.1834

31.9202, 60.3981,
17.1834

302.5073,
426.0636, 248.3067

21.4558, 43.7396,
10.2020

62.0520, 105.4069,
39.4358

13.5719, 30.4658,
5.4257

82.4501, 134.5261,
55.5439

7.9033, 20.1924,
2.4361

106.8902,
168.5675, 75.5313

4.0844, 12.5350,
0.8060

135.7376,
207.9157, 99.8165

1.7500, 7.1091,
0.0000

169.3576,
252.9550, 128.8181

0.4873, 3.5305,
0.0000

208.1157,

0.0000, 1.4145,

304.0698, 162.9547

0.0000

252.3772,
361.6446, 202.6447

■ 0.0000, 0.2274,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9202, 60.3981,
17.1834

■ 31.9202, 60.3981,
17.1834

■ 30.7089, 59.8426,
14.0946


■ 33.8775, 61.3194,
21.3179


■ 30.2179, 59.6224,
12.5802


■ 36.6798, 62.6505,
26.5770


■ 40.4147, 64.4369,
33.0366


■ 45.1576, 66.7158,
40.7649

 50.9759, 69.5207,
49.8248

 57.9312, 72.8822,
60.2751

 66.0803, 76.8284,
72.1710

 75.4763, 81.3854,
85.5648

 86.1687, 86.5780,
100.5061

Harmonies

Analogous

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



44.4477, 60.3981, 6.6341



31.9202, 60.3981, 17.1834



26.6160, 60.3981, 49.5155

Triad

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



31.9202, 60.3981, 17.1834



51.4108, 60.3981, 252.1026



102.6589, 60.3981, 33.1224

Complementary

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



31.9202, 60.3981, 17.1834



44.9518, 23.0996, 54.3143

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.



105.7935, 60.3981, 85.2253



31.9202, 60.3981, 17.1834



72.6672, 60.3981, 237.6137

Square

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



31.9202, 60.3981, 17.1834



35.9716, 60.3981, 198.1034



93.7684, 60.3981, 165.6781



86.0114, 60.3981, 11.2894

Rectangle

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



31.9202, 60.3981, 17.1834



26.7486, 60.3981, 89.5635



93.7684, 60.3981, 165.6781



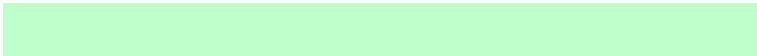
105.4617, 60.3981, 46.6038

Sweetspot

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



31.9216, 60.4006, 17.1848



68.2002, 86.9854, 70.2818



53.6477, 71.7173, 12.9349



13.9492, 18.3049, 14.0735



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.



31.9216, 60.4006, 17.1848



36.3519, 71.7568, 15.0370



38.0830, 62.8651, 49.6301



14.9909, 16.9112, 16.6347



16.8529, 33.1956, 7.1905



1.3568, 2.6200, 0.7405

Inverse Universe

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



44.9518, 23.0996, 54.3143



52.1698, 25.6319, 59.4856



37.3403, 20.0550, 14.2326



15.5789, 15.2594, 18.3336



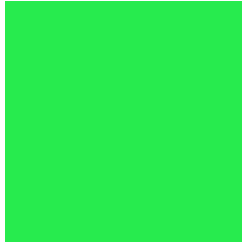
24.1803, 11.8748, 27.8145



1.9314, 0.9455, 2.3560

Previews

White Background



This preview shows how the XYZ color 31.9202, 60.3981, 17.1834 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 31.9202, 60.3981, 17.1834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

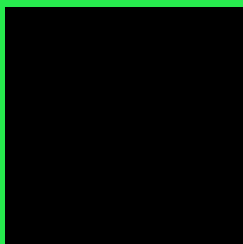
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9202, 60.3981, 17.1834

Background



This preview shows how black text looks on a background with the XYZ color 31.9202, 60.3981, 17.1834.

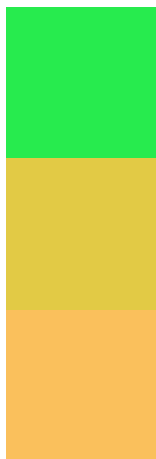


This preview shows how white text looks on a background with the XYZ color 31.9202, 60.3981,

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

31.9202, 60.3981, 17.1834

Protanopia

53.5587, 58.8395, 14.1645

Deuteranopia

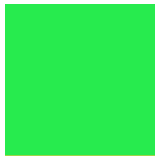
60.2057, 58.7960, 18.3008



Tritanopia

46.3926, 60.1261, 90.0493

Trichromacy



Original Color

31.9202, 60.3981, 17.1834



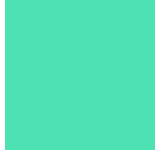
Protanomaly

39.3168, 55.8301, 14.8350



Deuteranomaly

41.5098, 54.6841, 17.3841



Tritanomaly

38.3053, 58.7654, 52.5040

Monochromacy



Original Color

31.9202, 60.3981, 17.1834



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.8698, 40.7972, 27.4721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9202, 60.3981, 17.1834 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(39, 235, 78)` looks like.

```
.text, #text, p{  
    color:rgb(39, 235, 78)  
}
```

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(39, 235, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 235, 78) }
```

Border

The CSS property to change the border of an element to XYZ 31.9202, 60.3981, 17.1834 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(39, 235, 78) }
```


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

```
.border{ border-color:rgb(39, 235, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 235, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 235, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 235, 78);  
box-shadow:4px 4px 4px 4px rgb(39, 235,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9202, 60.3981, 17.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 235, 78) }
```

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

```
.background{ background-color: rgb(39, 235,  
78) }
```

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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