

Converting Colors

XYZ(31.9937, 60.0119, 17.1708)

Have a look what the booklet for
XYZ(31.9937, 60.0119, 17.1708)
contains.

XYZ(31.9703, 60.0000, 17.1039)	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(31.9703, 60.0000,
17.1039)**

Conversions

Conversions Part 1

Format	Color
Hex	2FEA4E
RGB	47, 234, 78
RGB Percent	18%, 92%, 31%
CMY	0.8157, 0.0823, 0.6941
CMYK	0.80, 0.00, 0.67, 0.08
HSL	130°, 82%, 55%
HSV	130°, 80%, 92%
XYZ	31.9703, 60.0000, 17.1039
YIQ	160.3030, -61.3760, -88.1600

Conversions

Conversions Part 2

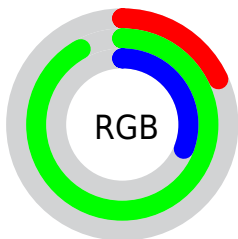
Format	Color
RYB	47, 207, 234
Decimal	3140174
CIELab	81.84, -73.99, 60.77
CIELCh	82, 95.748, 140.601
Yxy	60.0000, 0.2931, 0.5501
Android (android.graphics.Color)	4281330254 (0xFF2FEA4E)
YUV	160.3030, -40.5754, -99.3667
Hunter-Lab	77.4597, -61.8813, 41.1299

Details

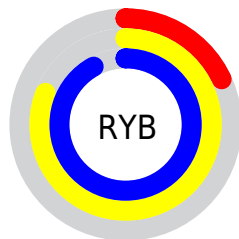
The XYZ color **31.9703, 60.0000, 17.1039** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **45.7294, 23.8383, 58.6922**, and the grayscale version is **33.7570, 35.5150, 38.6758**.

A 20% lighter version of the original color is **48.4511, 77.5734, 34.6098**, and **15.7769, 31.4662, 5.5292** is the 20% darker color. If you saturate the color by 10%, you get **30.5674, 59.3477, 13.9121**, and if you desaturate by 10%, it is **34.1613, 61.0380, 21.4193**.

Distribution



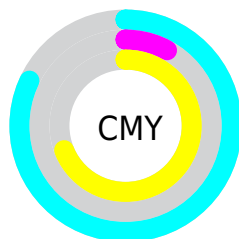
- Red (18%)
- Green (92%)
- Blue (31%)



- Red (18%)
- Yellow (81%)
- Blue (92%)



- Cyan (80%)
- Magenta (0%)
- Yellow (67%)
- Black (8%)



- Cyan (82%)
- Magenta (8%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9703, 60.0000, 17.1039 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 31.9703, 60.0000, 17.1039 by changing the saturation by 10% instead.

31.9703, 60.0000,
17.1039

31.9703, 60.0000,
17.1039

302.7316,
424.5978, 247.8346

21.4943, 43.4186,
10.1459

62.1300, 104.8297,
39.2974

13.6003, 30.2137,
5.3889

82.5444, 133.8468,
55.3700

7.9230, 20.0009,
2.4145

107.0023,
167.7779, 75.3178

4.0971, 12.3957,
0.7943

135.8691,
207.0074, 99.5594

1.7572, 7.0137,
0.0000

169.5100,
251.9198, 128.5134

0.4917, 3.4707,
0.0000

208.2905,

0.0000, 1.3821,

302.8994, 162.5982

0.0000

252.5759,
360.3306, 202.2324

■ 0.0000, 0.2035,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9703, 60.0000,
17.1039

■ 31.9703, 60.0000,
17.1039

■ 30.5674, 59.3477,
13.9121

■ 34.1613, 61.0380,
21.4193


■ 29.7921, 58.9955,
11.7333


■ 37.2336, 62.5027,
26.9460


■ 29.7868, 58.9931,
11.7185


■ 41.2720, 64.4378,
33.7672


■ 46.3497, 66.8794,
41.9581

 52.5328, 69.8602,
51.5878

 59.8820, 73.4100,
62.7208

 68.4534, 77.5566,
75.4177

 78.2996, 82.3258,
89.7357

 88.5043, 87.2441,
105.6841

Harmonies

Analogous

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



44.4237, 60.0000, 6.7260



31.9703, 60.0000, 17.1039



26.6491, 60.0000, 48.7941

Triad

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



31.9703, 60.0000, 17.1039



50.9168, 60.0000, 248.0137



101.6628, 60.0000, 33.4846

Complementary

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



31.9703, 60.0000, 17.1039



45.7294, 23.8383, 58.6922

Split Complementary

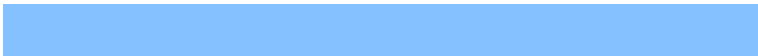
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.5753, 60.0000, 85.2338



31.9703, 60.0000, 17.1039



71.8164, 60.0000, 234.5868

Square

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



31.9703, 60.0000, 17.1039



35.7556, 60.0000, 194.5116



92.6185, 60.0000, 164.4333



85.4067, 60.0000, 11.5583

Rectangle

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



31.9703, 60.0000, 17.1039



26.7344, 60.0000, 88.0063



92.6185, 60.0000, 164.4333



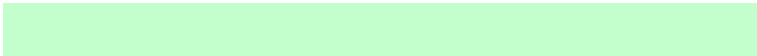
104.3635, 60.0000, 46.9272

Sweetspot

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



31.9717, 60.0025, 17.1053



68.8494, 87.3199, 70.3185



55.3779, 72.1684, 13.7008



14.0634, 18.3649, 14.0287



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.



31.9717, 60.0025, 17.1053



36.4805, 71.8229, 15.0476



37.7160, 62.3002, 47.3541



14.9702, 16.9029, 16.5259



16.7686, 33.1619, 6.7464



1.3470, 2.6161, 0.6889

Inverse Universe

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



45.7294, 23.8383, 58.6922



53.5415, 26.3577, 66.1626



37.8996, 20.7064, 17.4611



15.6013, 15.2684, 18.4519



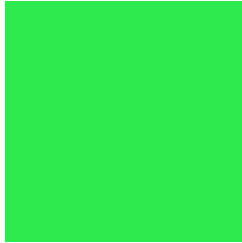
24.6565, 12.0653, 30.3221



1.9646, 0.9588, 2.5312

Previews

White Background



This preview shows how the XYZ color 31.9703, 60.0000, 17.1039 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 31.9703, 60.0000, 17.1039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

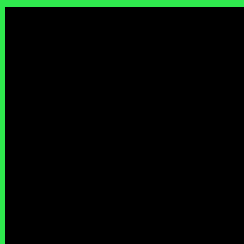
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9703, 60.0000, 17.1039

Background



This preview shows how black text looks on a background with the XYZ color 31.9703, 60.0000, 17.1039.

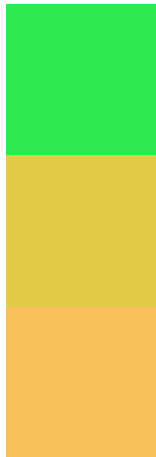


This preview shows how white text looks on a background with the XYZ color 31.9703, 60.0000,

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

31.9703, 60.0000, 17.1039

Protanopia

53.2460, 58.6783, 14.1499

Deuteranopia

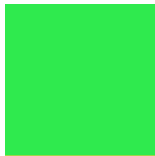
59.8483, 58.6117, 18.2841



Tritanopia

46.3265, 59.7205, 89.2063

Trichromacy



Original Color

31.9703, 60.0000, 17.1039



Protanomaly

39.7135, 56.0346, 14.8535



Deuteranomaly

41.9376, 54.5439, 17.3345



Tritanomaly

38.3596, 58.4050, 51.8994

Monochromacy



Original Color

31.9703, 60.0000, 17.1039



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.4073, 41.0743, 27.4973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9703, 60.0000, 17.1039 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(47, 234, 78)` looks like.

```
.text, #text, p{  
    color:rgb(47, 234, 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(47, 234, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 234, 78) }
```

Border

The CSS property to change the border of an element to XYZ 31.9703, 60.0000, 17.1039 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(47, 234, 78) }
```


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

```
.border{ border-color:rgb(47, 234, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 234, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 234, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 234, 78);  
box-shadow:4px 4px 4px 4px rgb(47, 234,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9703, 60.0000, 17.1039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 234, 78) }
```

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

```
.background{ background-color: rgb(47, 234,  
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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