

Converting Colors

XYZ(31.9530, 60.0424, 21.0904)

Have a look what the booklet for
XYZ(31.9530, 60.0424, 21.0904)
contains.

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Color

**XYZ(31.8434, 59.8496,
20.9401)**

Conversions

Conversions Part 1

Format	Color
Hex	15EA60
RGB	21, 234, 96
RGB Percent	8%, 92%, 38%
CMY	0.9176, 0.0823, 0.6235
CMYK	0.91, 0.00, 0.59, 0.08
HSL	141°, 84%, 50%
HSV	141°, 91%, 92%
XYZ	31.8434, 59.8496, 20.9401
YIQ	154.5810, -82.6500, -88.0740

Conversions

Conversions Part 2

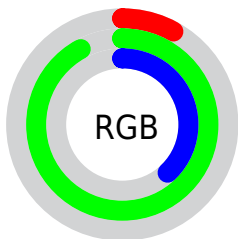
Format	Color
RYB	21, 179, 234
Decimal	1436256
CIELab	81.76, -74.10, 53.10
CIELCh	82, 91.160, 144.372
Yxy	59.8496, 0.2827, 0.5314
Android (android.graphics.Color)	4279626336 (0xFF15EA60)
YUV	154.5810, -28.8804, -117.1505
Hunter-Lab	77.3625, -61.9115, 38.1054

Details

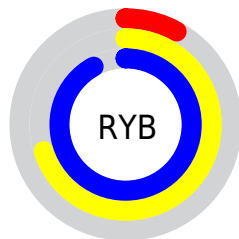
The XYZ color **31.8434, 59.8496, 20.9401** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **40.4598, 20.5330, 34.6343**, and the grayscale version is **31.1219, 32.7427, 35.6568**.

A 20% lighter version of the original color is **48.3353, 77.3668, 41.2399**, and **15.9256, 31.2108, 7.2827** is the 20% darker color. If you saturate the color by 10%, you get **30.9620, 59.4632, 17.9073**, and if you desaturate by 10%, it is **33.3585, 60.5438, 25.0145**.

Distribution



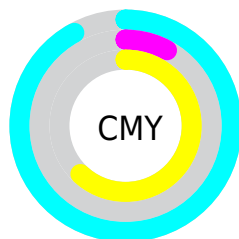
- Red (8%)
- Green (92%)
- Blue (38%)



- Red (8%)
- Yellow (70%)
- Blue (92%)



- Cyan (91%)
- Magenta (0%)
- Yellow (59%)
- Black (8%)





- Cyan (92%)
- Magenta (8%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8434, 59.8496, 20.9401 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 31.8434, 59.8496, 20.9401 by changing the saturation by 10% instead.


 31.8434, 59.8496,
20.9401


 31.8434, 59.8496,
20.9401


302.1632,
424.0432, 269.7306


 21.3969, 43.2974,
12.8894


 61.9324, 104.6115,
45.8673


 13.5285, 30.1185,
7.2226


 82.3055, 133.5899,
63.5809


 7.8730, 19.9286,
3.5212


 106.7183,
167.4793, 85.3526

 4.0649, 12.3431,
1.3665

 135.5359,
206.6639, 111.6008

 1.7389, 6.9778,
0.1154

 169.1239,
251.5282, 142.7442

 0.4804, 3.4482,
0.0000

207.8476,

 0.0000, 1.3700,

302.4566, 179.2013

0.0000

252.0722,
359.8335, 221.3905

■ 0.0000, 0.1944,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8434, 59.8496,
20.9401

■ 31.8434, 59.8496,
20.9401


■ 30.9620, 59.4632,
17.9073


■ 33.3585, 60.5438,
25.0145


■ 35.5813, 61.5847,
29.8608


■ 38.6028, 63.0202,
35.5191


■ 42.4984, 64.8885,
42.0256

 47.3345, 67.2231,
49.4140

 53.1706, 70.0540,
57.7160

 60.0615, 73.4089,
66.9619

 68.0575, 77.3131,
77.1805

 77.2058, 81.7904,
88.3992

Harmonies

Analogous

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



42.9692, 59.8496, 8.5097



31.8434, 59.8496, 20.9401



27.4857, 59.8496, 55.3374

Triad

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



31.8434, 59.8496, 20.9401



53.3410, 59.8496, 237.1955



97.5781, 59.8496, 30.5462

Complementary

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



31.8434, 59.8496, 20.9401



40.4598, 20.5330, 34.6343

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.



102.1063, 59.8496, 76.0946



31.8434, 59.8496, 20.9401



73.5218, 59.8496, 216.7233

Square

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



31.8434, 59.8496, 20.9401



37.9750, 59.8496, 194.4321



92.4815, 59.8496, 148.2034



81.2162, 59.8496, 11.4673

Rectangle

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



31.8434, 59.8496, 20.9401



28.0921, 59.8496, 95.0939



92.4815, 59.8496, 148.2034



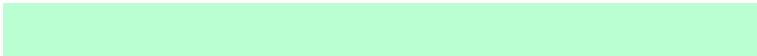
100.6692, 59.8496, 42.2856

Sweetspot

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



31.8449, 59.8520, 20.9415



67.7280, 86.6506, 74.3851



43.9478, 66.3196, 11.1944



13.9088, 18.2609, 15.1205



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.



31.8449, 59.8520, 20.9415



37.5964, 72.2546, 21.5905



40.4005, 63.2743, 65.9947



15.0874, 16.9498, 17.1429



17.4523, 33.4354, 10.3470



1.4146, 2.6432, 1.0453

Inverse Universe

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



40.4598, 20.5330, 34.6343



48.0509, 23.9844, 37.7957



34.8429, 18.2863, 5.0559



15.4765, 15.2185, 17.7947



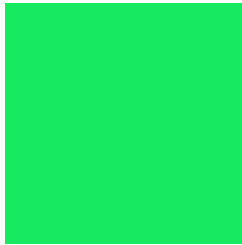
22.2964, 11.1212, 17.8940



1.7961, 0.8914, 1.6438

Previews

White Background



This preview shows how the XYZ color 31.8434, 59.8496, 20.9401 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 31.8434, 59.8496, 20.9401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

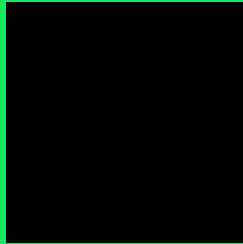
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8434, 59.8496, 20.9401

Background



This preview shows how black text looks on a background with the XYZ color 31.8434, 59.8496, 20.9401.



This preview shows how white text looks on a background with the XYZ color 31.8434, 59.8496,

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

31.8434, 59.8496, 20.9401

Protanopia

53.5407, 58.7602, 17.3241

Deuteranopia

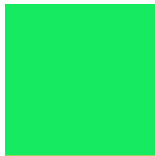
59.5624, 58.3748, 22.3155



Tritanopia

45.4954, 59.6805, 89.2424

Trichromacy



Original Color

31.8434, 59.8496, 20.9401



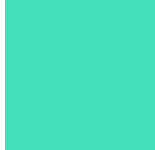
Protanomaly

38.4697, 55.3154, 18.3222



Deuteranomaly

40.1214, 53.5176, 21.3120



Tritanomaly

38.1029, 58.5889, 55.7549

Monochromacy



Original Color

31.8434, 59.8496, 20.9401



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.3874, 39.0664, 28.6514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8434, 59.8496, 20.9401 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(21, 234, 96)` looks like.

```
.text, #text, p{  
    color:rgb(21, 234, 96)  
}
```

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(21, 234, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 234, 96) }
```

Border

The CSS property to change the border of an element to XYZ 31.8434, 59.8496, 20.9401 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(21, 234, 96) }
```


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

```
.border{ border-color:rgb(21, 234, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 234, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 234, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 234, 96);  
box-shadow:4px 4px 4px 4px rgb(21, 234,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8434, 59.8496, 20.9401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 234, 96) }
```

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

```
.background{ background-color: rgb(21, 234,  
96) }
```

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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