

Converting Colors

XYZ(31.9201, 61.4762, 10.1837)

Have a look what the booklet for
XYZ(31.9201, 61.4762, 10.1837)
contains.

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Color

**XYZ(31.8597, 61.3806,
10.1685)**

Conversions

Conversions Part 1

Format	Color
Hex	37ED00
RGB	55, 237, 0
RGB Percent	22%, 93%, 0%
CMY	0.7843, 0.0706, 0.9999
CMYK	0.77, 0.00, 1.00, 0.07
HSL	106°, 100%, 46%
HSV	106°, 100%, 93%
XYZ	31.8597, 61.3806, 10.1685
YIQ	155.5640, -32.3950, -112.2910

Conversions

Conversions Part 2

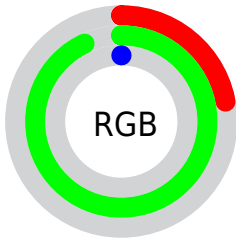
Format	Color
RYB	0, 237, 182
Decimal	3665152
CIELab	82.58, -77.60, 79.23
CIELCh	83, 110.902, 134.404
Yxy	61.3806, 0.3081, 0.5936
Android (android.graphics.Color)	4281855232 (0xFF37ED00)
YUV	155.5640, -76.6931, -88.1946
Hunter-Lab	78.3458, -64.5172, 47.1468

Details

The XYZ color **31.8597, 61.3806, 10.1685** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **34.5880, 16.0654, 81.4021**, and the grayscale version is **31.7496, 33.4030, 36.3759**.

A 20% lighter version of the original color is **47.0789, 77.1468, 21.8607**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **31.8595, 61.3823, 10.1688**, and if you desaturate by 10%, it is **33.2106, 62.0601, 11.0782**.

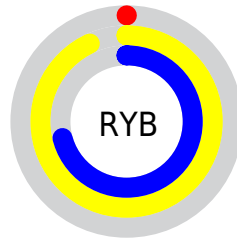
Distribution



Red (22%)

Green (93%)

Blue (0%)



Red (0%)

Yellow (93%)

Blue (71%)

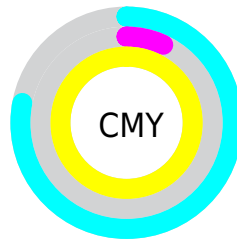


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (78%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8597, 61.3806, 10.1685 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 31.8597, 61.3806, 10.1685 by changing the saturation by 10% instead.

 31.8597, 61.3806,
10.1685


 31.8597, 61.3806,
10.1685


302.2363,
429.6681, 202.3988


 21.4094, 44.5324,
5.4038


 61.9578, 106.8298,
26.7247


 13.5377, 31.0893,
2.4232


 82.3362, 136.1996,
39.3533


 7.8794, 20.6668,
0.7990


 106.7548,
170.5121, 55.4402

 4.0690, 12.8807,
0.0000

 135.5788,
210.1516, 75.4039

 1.7413, 7.3464,
0.0000

 169.1735,
255.5026, 99.6632

 0.4819, 3.6797,
0.0000

 207.9045,

 0.0000, 1.4960,

306.9494, 128.6364

0.0000

252.1370,
364.8764, 162.7420

■ 0.0000, 0.2859,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8597, 61.3806,
10.1685

■ 31.8597, 61.3806,
10.1685

■ 31.8595, 61.3823,
10.1688

■ 33.2106, 62.0601,
11.0782

■ 35.1618, 63.0245,
13.0473

■ 37.8089, 64.3175,
16.4059

■ 41.2173, 65.9687,
21.3484

■ 45.4442, 68.0041,
28.0382

■ 50.5406, 70.4468,
36.6184

■ 56.5537, 73.3182,
47.2175

■ 63.5267, 76.6383,
59.9525

■ 71.5003, 80.4256,
74.9315

Harmonies

Analogous

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



47.6991, 61.3806, 3.3315



31.8597, 61.3806, 10.1685



24.4765, 61.3806, 37.4705

Triad

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



31.8597, 61.3806, 10.1685



46.9011, 61.3806, 288.6159



114.7103, 61.3806, 39.2863

Complementary

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



31.8597, 61.3806, 10.1685



34.5880, 16.0654, 81.4021

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.



114.3247, 61.3806, 108.5352



31.8597, 61.3806, 10.1685



70.4572, 61.3806, 290.4876

Square

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



31.8597, 61.3806, 10.1685



31.4129, 61.3806, 206.5224



96.4951, 61.3806, 210.6316



97.4378, 61.3806, 10.7268

Rectangle

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



31.8597, 61.3806, 10.1685



23.6197, 61.3806, 77.3906



96.4951, 61.3806, 210.6316



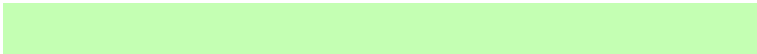
116.7643, 61.3806, 57.2821

Sweetspot

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



31.8611, 61.3832, 10.1699



66.6746, 86.5230, 55.5697



51.5956, 51.3432, 7.1918



13.6002, 18.1994, 10.6991



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.



31.8611, 61.3832, 10.1699



37.5723, 72.4543, 12.0048



31.1894, 60.9325, 14.8532



15.1953, 17.0307, 16.0051



17.4886, 33.5602, 5.5560



1.4559, 2.6779, 0.4401

Inverse Universe

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



34.5880, 16.0654, 81.4021



40.7769, 18.9362, 96.1136



42.5486, 21.0547, 41.7700



15.3534, 15.1275, 19.0329



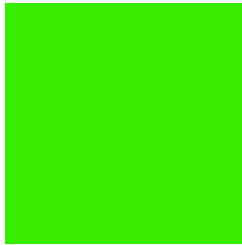
19.0025, 8.8321, 44.4462



1.5749, 0.7362, 3.4940

Previews

White Background



This preview shows how the XYZ color 31.8597, 61.3806, 10.1685 looks on a white background.

Color Contrast Check

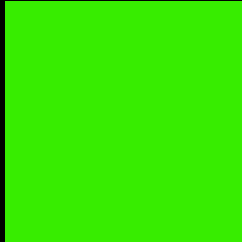
Large Text (above 18pt) WCAG AA × Fail

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 31.8597, 61.3806, 10.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

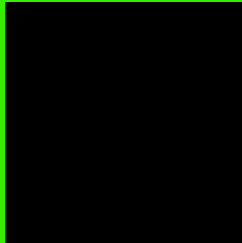
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8597, 61.3806, 10.1685

Background



This preview shows how black text looks on a background with the XYZ color 31.8597, 61.3806, 10.1685.



This preview shows how white text looks on a background with the XYZ color 31.8597, 61.3806,

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

31.8597, 61.3806, 10.1685

Protanopia

54.2260, 60.0087, 8.7248

Deuteranopia

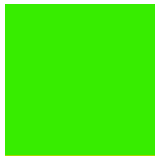
61.0994, 59.7157, 12.4437



Tritanopia

47.5814, 60.7390, 90.1049

Trichromacy



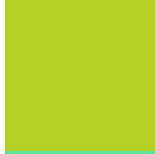
Original Color

31.8597, 61.3806, 10.1685



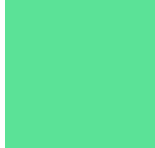
Protanomaly

40.2818, 57.2187, 8.9212



Deuteranomaly

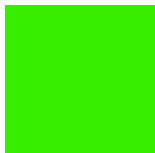
42.4417, 55.6860, 10.3453



Tritanomaly

37.0967, 58.8512, 38.6824

Monochromacy



Original Color

31.8597, 61.3806, 10.1685



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.2088, 39.5207, 17.9986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8597, 61.3806, 10.1685 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(55, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 237, 0)  
}
```

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(55, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.8597, 61.3806, 10.1685 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(55, 237, 0) }
```


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

```
.border{ border-color:rgb(55, 237, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 237, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 237, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.8597, 61.3806, 10.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 237, 0) }
```

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

```
.background{ background-color: rgb(55, 237,  
0) }
```

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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