

Converting Colors

XYZ(31.8886, 61.2797, 18.3291)

Have a look what the booklet for
XYZ(31.8886, 61.2797, 18.3291)
contains.

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Color

**XYZ(31.8455, 61.1929,
18.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED53
RGB	0, 237, 83
RGB Percent	0%, 93%, 33%
CMY	1.0000, 0.0706, 0.6745
CMYK	1.00, 0.00, 0.65, 0.07
HSL	141°, 100%, 46%
HSV	141°, 100%, 93%
XYZ	31.8455, 61.1929, 18.3166
YIQ	148.5810, -91.8180, -98.1380

Conversions

Conversions Part 2

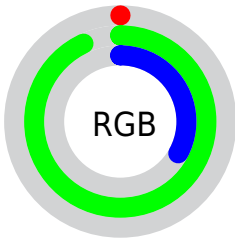
Format	Color
RYB	0, 176, 237
Decimal	60755
CIELab	82.48, -77.22, 59.39
CIELCh	82, 97.416, 142.435
Yxy	61.1929, 0.2860, 0.5495
Android (android.graphics.Color)	4278250835 (0xFF00ED53)
YUV	148.5810, -32.3314, -130.3055
Hunter-Lab	78.2259, -64.2286, 40.8754

Details

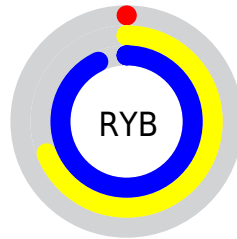
The XYZ color **31.8455, 61.1929, 18.3166** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **40.7596, 20.3386, 32.3511**, and the grayscale version is **28.5517, 30.0386, 32.7121**.

A 20% lighter version of the original color is **47.0295, 76.7997, 36.3899**, and **16.2555, 32.2943, 6.0861** is the 20% darker color. If you saturate the color by 10%, you get **31.8468, 61.1953, 18.3174**, and if you desaturate by 10%, it is **32.8789, 61.6509, 21.8227**.

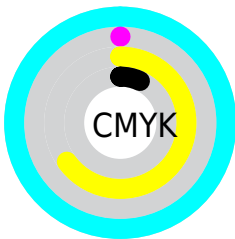
Distribution



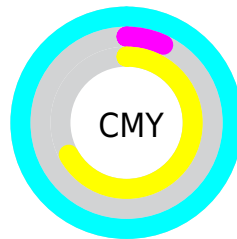
- Red (0%)
- Green (93%)
- Blue (33%)



- Red (0%)
- Yellow (69%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (7%)



- Cyan (100%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8455, 61.1929, 18.3166 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 31.8455, 61.1929, 18.3166 by changing the saturation by 10% instead.

31.8455, 61.1929,
18.3166

31.8455, 61.1929,
18.3166

302.1727,
428.9809, 254.9453

21.3985, 44.3809,
11.0057

61.9356, 106.5582,
41.3973

13.5297, 30.9700,
5.9565

82.3095, 135.8802,
58.0042

7.8738, 20.5760,
2.7503

106.7230,
170.1411, 78.5468

4.0654, 12.8145,
0.9686

135.5415,
209.7251, 103.4438

1.7392, 7.3009,
0.0000

169.1303,
255.0167, 133.1135

0.4806, 3.6510,
0.0000

207.8549,

0.0000, 1.4803,

306.4003, 167.9747

0.0000

252.0806,
364.2602, 208.4458

■ 0.0000, 0.2748,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8455, 61.1929,
18.3166

■ 31.8455, 61.1929,
18.3166

■ 31.8468, 61.1953,
18.3174

■ 32.8789, 61.6509,
21.8227

■ 34.5027, 62.3953,
26.0866

■ 36.8678, 63.5048,
31.1551

■ 40.0651, 65.0255,
37.0685

■ 44.1713, 66.9962,
43.8640

■ 49.2542, 69.4510,
51.5764

■ 55.3746, 72.4209,
60.2387

■ 62.5885, 75.9338,
69.8822

■ 70.9477, 80.0160,
80.5367

Harmonies

Analogous

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



44.1798, 61.1929, 6.9043



31.8455, 61.1929, 18.3166



26.8132, 61.1929, 52.6422

Triad

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



31.8455, 61.1929, 18.3166



53.0478, 61.1929, 257.2199



103.5801, 61.1929, 31.7466

Complementary

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



31.8455, 61.1929, 18.3166



40.7596, 20.3386, 32.3511

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.



107.5709, 61.1929, 82.8960



31.8455, 61.1929, 18.3166



74.8209, 61.1929, 238.7763

Square

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



31.8455, 61.1929, 18.3166



37.0057, 61.1929, 205.1356



96.0260, 61.1929, 163.8509



86.1495, 61.1929, 10.7996

Rectangle

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



31.8455, 61.1929, 18.3166



27.1673, 61.1929, 94.4984



96.0260, 61.1929, 163.8509



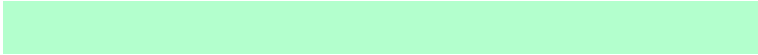
106.6832, 61.1929, 44.8601

Sweetspot

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



31.8470, 61.1954, 18.3180



65.2897, 85.4661, 70.9976



43.6222, 67.4461, 10.7194



13.2884, 17.9599, 14.2412



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.



31.8470, 61.1954, 18.3180



37.5760, 72.2464, 21.4828



40.8816, 64.8093, 65.8937



15.0861, 16.9493, 17.1365



17.4426, 33.4315, 10.2959



1.4138, 2.6428, 1.0407

Inverse Universe

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



40.7596, 20.3386, 32.3511



48.0951, 24.0020, 38.0282



35.2382, 18.1300, 3.2758



15.4778, 15.2190, 17.8013



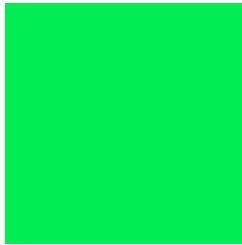
22.3167, 11.1294, 18.0008



1.7976, 0.8920, 1.6517

Previews

White Background



This preview shows how the XYZ color 31.8455, 61.1929, 18.3166 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 31.8455, 61.1929, 18.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

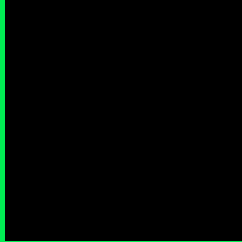
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8455, 61.1929, 18.3166

Background



This preview shows how black text looks on a background with the XYZ color 31.8455, 61.1929, 18.3166.



This preview shows how white text looks on a background with the XYZ color 31.8455, 61.1929,

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

31.8455, 61.1929, 18.3166

Protanopia

54.5074, 60.0110, 15.1890

Deuteranopia

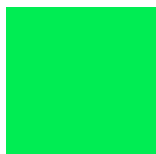
61.0113, 59.5122, 19.5806



Tritanopia

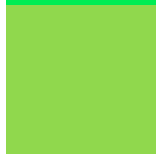
46.6733, 61.0206, 91.7563

Trichromacy



Original Color

31.8455, 61.1929, 18.3166



Protanomaly

37.3970, 55.5768, 15.7776



Deuteranomaly

39.2294, 53.8472, 18.4512



Tritanomaly

37.9408, 59.3492, 54.2556

Monochromacy



Original Color

31.8455, 61.1929, 18.3166



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.9449, 36.9613, 25.2216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8455, 61.1929, 18.3166 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, 237, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 83)  
}
```

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, 237, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 83) }
```

Border

The CSS property to change the border of an element to XYZ 31.8455, 61.1929, 18.3166 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, 237, 83) }
```


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

```
.border{ border-color:rgb(0, 237, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.8455, 61.1929, 18.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 83) }
```

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

```
.background{ background-color: rgb(0, 237,  
83) }
```

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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