

Converting Colors

XYZ(31.6854, 61.1984, 17.2592)

Have a look what the booklet for
XYZ(31.6854, 61.1984, 17.2592)
contains.

XYZ(31.6593, 61.1184, 17.3361)	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(31.6593, 61.1184,
17.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED4E
RGB	0, 237, 78
RGB Percent	0%, 93%, 31%
CMY	1.0000, 0.0706, 0.6941
CMYK	1.00, 0.00, 0.67, 0.07
HSL	140°, 100%, 46%
HSV	140°, 100%, 93%
XYZ	31.6593, 61.1184, 17.3361
YIQ	148.0110, -90.2130, -99.6930

Conversions

Conversions Part 2

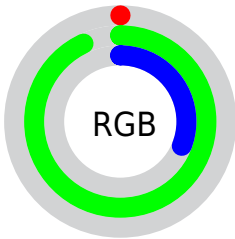
Format	Color
RYB	0, 178, 237
Decimal	60750
CIELab	82.44, -77.72, 61.33
CIELCh	82, 99.006, 141.724
Yxy	61.1184, 0.2875, 0.5550
Android (android.graphics.Color)	4278250830 (0xFF00ED4E)
YUV	148.0110, -34.5154, -129.8056
Hunter-Lab	78.1783, -64.5261, 41.5772

Details

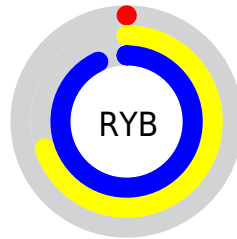
The XYZ color **31.6593, 61.1184, 17.3361** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **41.1848, 20.5087, 34.5905**, and the grayscale version is **28.3210, 29.7959, 32.4478**.

A 20% lighter version of the original color is **46.7452, 76.6860, 34.8924**, and **16.1639, 32.2577, 5.6042** is the 20% darker color. If you saturate the color by 10%, you get **31.6606, 61.1208, 17.3369**, and if you desaturate by 10%, it is **32.6712, 61.5678, 20.7292**.

Distribution



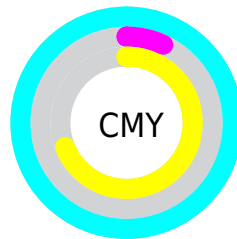
- Red (0%)
- Green (93%)
- Blue (31%)



- Red (0%)
- Yellow (70%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)



- Cyan (100%)
- Magenta (7%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6593, 61.1184, 17.3361 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 31.6593, 61.1184, 17.3361 by changing the saturation by 10% instead.

■ 31.6593, 61.1184,
17.3361

■ 31.6593, 61.1184,
17.3361

301.3373,
428.7080, 249.2110

■ 21.2557, 44.3207,
10.3099

■ 61.6454, 106.4504,
39.7013

■ 13.4246, 30.9227,
5.4966

■ 81.9586, 135.7534,
55.8774

■ 7.8005, 20.5400,
2.4777

■ 106.3057,
169.9937, 75.9405

■ 4.0183, 12.7882,
0.8283

■ 135.0521,
209.5557, 100.3093

■ 1.7125, 7.2829,
0.0000

■ 168.5631,
254.8237, 129.4022

■ 0.4641, 3.6396,
0.0000

207.2040,

■ 0.0000, 1.4741,

306.1822, 163.6377

0.0000

251.3403,
364.0155, 203.4345

■ 0.0000, 0.2704,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6593, 61.1184,
17.3361

■ 31.6593, 61.1184,
17.3361

■ 31.6606, 61.1208,
17.3369

■ 32.6712, 61.5678,
20.7292

■ 34.2803, 62.3063,
24.9159

■ 36.6386, 63.4131,
29.9481

■ 39.8375, 64.9345,
35.8703

■ 43.9547, 66.9095,
42.7235

■ 49.0585, 69.3728,
50.5463

■ 55.2105, 72.3552,
59.3748

■ 62.4672, 75.8853,
69.2435

■ 70.8809, 79.9892,
80.1851

Harmonies

Analogous

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



44.3025, 61.1184, 6.3979



31.6593, 61.1184, 17.3361



26.4278, 61.1184, 51.1536

Triad

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



31.6593, 61.1184, 17.3361



52.4328, 61.1184, 261.1150



104.6457, 61.1184, 32.0793

Complementary

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



31.6593, 61.1184, 17.3361



41.1848, 20.5087, 34.5905

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.



108.3372, 61.1184, 84.7562



31.6593, 61.1184, 17.3361



74.4797, 61.1184, 243.9457

Square

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



31.6593, 61.1184, 17.3361



36.3679, 61.1184, 206.2260



96.2176, 61.1184, 167.8909



87.0957, 61.1184, 10.5997

Rectangle

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



31.6593, 61.1184, 17.3361



26.6799, 61.1184, 93.1279



96.2176, 61.1184, 167.8909



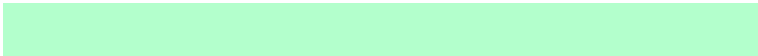
107.6946, 61.1184, 45.5773

Sweetspot

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



31.6608, 61.1209, 17.3375



65.0955, 85.3884, 69.9748



45.1764, 68.2474, 10.7921



13.2431, 17.9418, 14.0027



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.



31.6608, 61.1209, 17.3375



37.3573, 72.1589, 20.3312



39.9730, 64.4458, 61.1093



15.0727, 16.9439, 17.0659



17.3388, 33.3900, 9.7489



1.4045, 2.6391, 0.9917

Inverse Universe

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



41.1848, 20.5087, 34.5905



48.5979, 24.2032, 40.6761



35.3709, 18.1831, 3.9749



15.4918, 15.2246, 17.8749



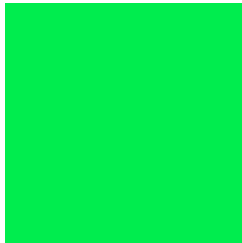
22.5475, 11.2217, 19.2162



1.8146, 0.8988, 1.7410

Previews

White Background



This preview shows how the XYZ color 31.6593, 61.1184, 17.3361 looks on a white background.

Color Contrast Check

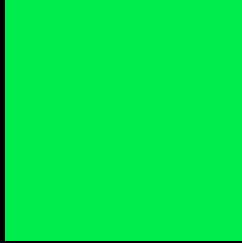
Large Text (above 18pt) WCAG AA × Fail

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 31.6593, 61.1184, 17.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

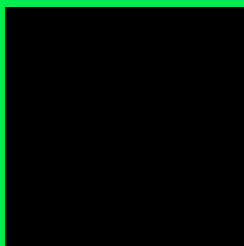
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6593, 61.1184, 17.3361

Background



This preview shows how black text looks on a background with the XYZ color 31.6593, 61.1184, 17.3361.



This preview shows how white text looks on a background with the XYZ color 31.6593, 61.1184,

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

31.6593, 61.1184, 17.3361

Protanopia

54.3456, 59.9463, 14.3367

Deuteranopia

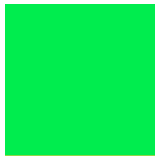
60.7854, 59.4219, 18.3910



Tritanopia

46.6733, 61.0206, 91.7563

Trichromacy



Original Color

31.6593, 61.1184, 17.3361



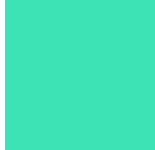
Protanomaly

37.2272, 55.5089, 14.8831



Deuteranomaly

39.0180, 53.7626, 17.3376



Tritanomaly

37.7340, 59.2665, 53.1668

Monochromacy



Original Color

31.6593, 61.1184, 17.3361



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.5125, 36.4523, 24.4829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6593, 61.1184, 17.3361 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 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(0, 237, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 78) }
```

Border

The CSS property to change the border of an element to XYZ 31.6593, 61.1184, 17.3361 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, 78) }
```


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

```
.border{ border-color:rgb(0, 237, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.6593, 61.1184, 17.3361 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, 78) }
```

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

```
.background{ background-color: rgb(0, 237,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor