

Converting Colors

XYZ(31.7604, 60.1376, 10.0261)

Have a look what the booklet for
XYZ(31.7604, 60.1376, 10.0261)
contains.

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Color

**XYZ(31.6860, 60.0105,
9.9993)**

Conversions

Conversions Part 1

Format	Color
Hex	42EA03
RGB	66, 234, 3
RGB Percent	26%, 92%, 1%
CMY	0.7412, 0.0823, 0.9881
CMYK	0.72, 0.00, 0.99, 0.08
HSL	104°, 97%, 46%
HSV	104°, 99%, 92%
XYZ	31.6860, 60.0105, 9.9993
YIQ	157.4340, -25.9770, -107.4570

Conversions

Conversions Part 2

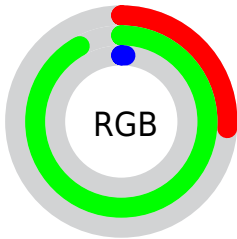
Format	Color
RYB	3, 234, 171
Decimal	4385283
CIELab	81.84, -75.05, 78.46
CIElCh	82, 108.575, 133.725
Yxy	60.0105, 0.3116, 0.5901
Android (android.graphics.Color)	4282575363 (0xFF42EA03)
YUV	157.4340, -76.1360, -80.1876
Hunter-Lab	77.4664, -62.5547, 46.5734

Details

The XYZ color **31.6860, 60.0105, 9.9993** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **31.6876, 14.6687, 79.0065**, and the grayscale version is **32.5878, 34.2849, 37.3363**.

A 20% lighter version of the original color is **48.0444, 77.6445, 21.9059**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **31.5250, 59.9312, 9.9063**, and if you desaturate by 10%, it is **33.1845, 60.7646, 10.9826**.

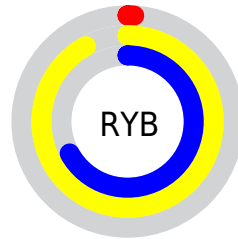
Distribution



Red (26%)

Green (92%)

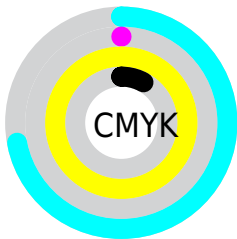
Blue (1%)



Red (1%)

Yellow (92%)

Blue (67%)

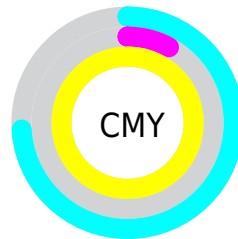


Cyan (72%)

Magenta (0%)

Yellow (99%)

Black (8%)



Cyan (74%)


Magenta (8%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6860, 60.0105, 9.9993 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 31.6860, 60.0105, 9.9993 by changing the saturation by 10% instead.


 31.6860, 60.0105,
9.9993


 31.6860, 60.0105,
9.9993


301.4572,
424.6365, 201.1517

 21.2762, 43.4271,
5.2929


 61.6870, 104.8449,
26.4020


 13.4396, 30.2204,
2.3584


 82.0089, 133.8647,
38.9353

 7.8110, 20.0059,
0.7637

 106.3656,
167.7987, 54.9148

 4.0251, 12.3993,
0.0000

 135.1223,
207.0314, 74.7588

 1.7163, 7.0163,
0.0000

 168.6445,
251.9471, 98.8859

 0.4665, 3.4723,
0.0000

 207.2974,

 0.0000, 1.3830,

302.9303, 127.7148

0.0000

251.4465,
360.3653, 161.6639

■ 0.0000, 0.2041,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.6860, 60.0105,
9.9993

■ 31.6860, 60.0105,
9.9993

■ 31.5250, 59.9312,
9.9063

■ 33.1845, 60.7646,
10.9826

■ 35.2563, 61.7887,
13.0670

■ 37.9789, 63.1185,
16.5254

■ 41.4095, 64.7796,
21.5411

■ 45.5982, 66.7944,
28.2695

■ 50.5902, 69.1831,
36.8469

■ 56.4269, 71.9646,
47.3959

■ 63.1466, 75.1561,
60.0287

■ 70.7855, 78.7740,
74.8489

Harmonies

Analogous

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



47.2115, 60.0105, 3.4393



31.6860, 60.0105, 9.9993



24.3405, 60.0105, 35.9784

Triad

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



31.6860, 60.0105, 9.9993



45.5619, 60.0105, 276.6805



111.4276, 60.0105, 39.7456

Complementary

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



31.6860, 60.0105, 9.9993



31.6876, 14.6687, 79.0065

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.



110.6367, 60.0105, 107.4585



31.6860, 60.0105, 9.9993



68.1417, 60.0105, 280.5009

Square

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



31.6860, 60.0105, 9.9993



30.7585, 60.0105, 197.0916



93.2269, 60.0105, 205.4954



95.1634, 60.0105, 11.1786

Rectangle

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



31.6860, 60.0105, 9.9993



23.4049, 60.0105, 73.8856



93.2269, 60.0105, 205.4954



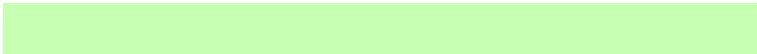
113.2579, 60.0105, 57.4824

Sweetspot

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



31.6874, 60.0130, 10.0006



67.4937, 86.9452, 55.6080



48.0564, 45.7131, 6.3777



13.7896, 18.2970, 10.7080



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.



31.6874, 60.0130, 10.0006



38.2511, 72.8042, 12.0366



30.1064, 59.1255, 13.2029



15.2537, 17.0608, 16.0078



17.8180, 33.7300, 5.5714



1.4888, 2.6949, 0.4417

Inverse Universe

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



31.6876, 14.6687, 79.0065



38.1742, 17.5944, 95.9918



42.6136, 21.0180, 47.1365



15.2911, 15.0953, 19.0300



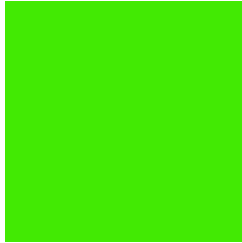
17.8134, 8.2190, 44.3905



1.4902, 0.6925, 3.4900

Previews

White Background



This preview shows how the XYZ color 31.6860, 60.0105, 9.9993 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 31.6860, 60.0105, 9.9993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

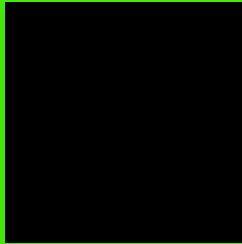
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6860, 60.0105, 9.9993

Background



This preview shows how black text looks on a background with the XYZ color 31.6860, 60.0105, 9.9993.



This preview shows how white text looks on a background with the XYZ color 31.6860, 60.0105,

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

31.6860, 60.0105, 9.9993

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

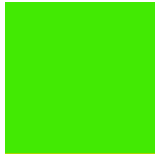
59.7145, 58.3745, 11.1377



Tritanopia

47.1370, 59.7858, 87.6527

Trichromacy



Original Color

31.6860, 60.0105, 9.9993



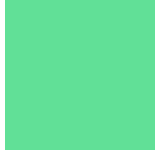
Protanomaly

40.2005, 56.4202, 8.8001



Deuteranomaly

42.5949, 55.0497, 9.8195



Tritanomaly

37.1713, 58.0871, 38.5309

Monochromacy



Original Color

31.6860, 60.0105, 9.9993



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.0101, 39.9226, 18.5415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6860, 60.0105, 9.9993 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(66, 234, 3)` looks like.

```
.text, #text, p{  
    color:rgb(66, 234, 3)  
}
```

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(66, 234, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 234, 3) }
```

Border

The CSS property to change the border of an element to XYZ 31.6860, 60.0105, 9.9993 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(66, 234, 3) }
```


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

```
.border{ border-color:rgb(66, 234, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 234, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 234, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 234, 3);  
box-shadow:4px 4px 4px 4px rgb(66, 234, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.6860, 60.0105, 9.9993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 234, 3) }
```

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

```
.background{ background-color: rgb(66, 234,  
3) }
```

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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