

Converting Colors

XYZ(31.3459, 59.4395, 10.0570)

Have a look what the booklet for
XYZ(31.3459, 59.4395, 10.0570)
contains.

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Color

**XYZ(31.2971, 59.3853,
10.0427)**

Conversions

Conversions Part 1

Format	Color
Hex	40E908
RGB	64, 233, 8
RGB Percent	25%, 91%, 3%
CMY	0.7490, 0.0863, 0.9685
CMYK	0.73, 0.00, 0.97, 0.09
HSL	105°, 93%, 47%
HSV	105°, 97%, 91%
XYZ	31.2971, 59.3853, 10.0427
YIQ	156.8190, -28.4990, -105.8030

Conversions

Conversions Part 2

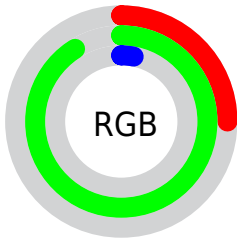
Format	Color
RYB	8, 233, 177
Decimal	4253960
CIELab	81.50, -75.00, 77.74
CIELCh	82, 108.025, 133.971
Yxy	59.3853, 0.3107, 0.5896
Android (android.graphics.Color)	4282444040 (0xFF40E908)
YUV	156.8190, -73.3678, -81.4023
Hunter-Lab	77.0619, -62.3641, 46.2166

Details

The XYZ color **31.2971, 59.3853, 10.0427** 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 **32.9353, 15.4091, 78.3323**, and the grayscale version is **32.2980, 33.9801, 37.0043**.

A 20% lighter version of the original color is **47.9220, 77.5766, 22.1209**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **30.8831, 59.1787, 9.7949**, and if you desaturate by 10%, it is **32.8285, 60.1526, 11.1998**.

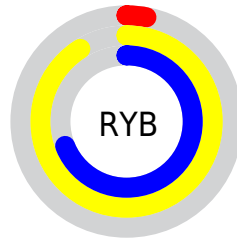
Distribution



Red (25%)

Green (91%)

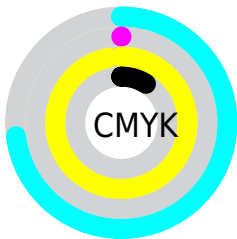
Blue (3%)



Red (3%)

Yellow (91%)

Blue (69%)

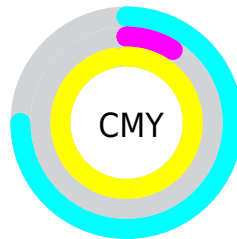


Cyan (73%)

Magenta (0%)

Yellow (97%)

Black (9%)



Cyan (75%)


Magenta (9%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2971, 59.3853, 10.0427 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 31.2971, 59.3853, 10.0427 by changing the saturation by 10% instead.


 31.2971, 59.3853,
10.0427


 31.2971, 59.3853,
10.0427


299.7072,
422.3283, 201.4724

 20.9781, 42.9234,
5.3213


 61.0802, 103.9374,
26.4849

 13.2204, 29.8250,
2.3750


 81.2750, 132.7965,
39.0427

 7.6585, 19.7058,
0.7728


 105.4925,
166.5566, 55.0498

 3.9272, 12.1814,
0.0000

 134.0980,
205.6023, 74.9246

 1.6610, 6.8673,
0.0000

 167.4569,
250.3179, 99.0857

 0.4317, 3.3793,
0.0000

 205.9344,

 0.0000, 1.3328,

301.0878, 127.9517

0.0000

249.8961,
358.2965, 161.9411

■ 0.0000, 0.1664,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2971, 59.3853,
10.0427

■ 31.2971, 59.3853,
10.0427

■ 30.8831, 59.1787,
9.7949

■ 32.8285, 60.1526,
11.1998

■ 34.9674, 61.2056,
13.5393

■ 37.7835, 62.5774,
17.2824

■ 41.3345, 64.2939,
22.6034

■ 45.6711, 66.3780,
29.6513

■ 50.8393, 68.8506,
38.5582

■ 56.8815, 71.7308,
49.4428

■ 63.8368, 75.0364,
62.4144

■ 71.7420, 78.7844,
77.5739

Harmonies

Analogous

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



46.5744, 59.3853, 3.4486



31.2971, 59.3853, 10.0427



24.0949, 59.3853, 35.9873

Triad

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



31.2971, 59.3853, 10.0427



45.2586, 59.3853, 273.6914



110.0923, 59.3853, 38.9933

Complementary

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



31.2971, 59.3853, 10.0427



32.9353, 15.4091, 78.3323

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.



109.4619, 59.3853, 105.5480



31.2971, 59.3853, 10.0427



67.6177, 59.3853, 276.7346

Square

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



31.2971, 59.3853, 10.0427



30.5570, 59.3853, 195.5592



92.3765, 59.3853, 202.2547



93.9201, 59.3853, 10.9854

Rectangle

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



31.2971, 59.3853, 10.0427



23.2060, 59.3853, 73.6827



92.3765, 59.3853, 202.2547



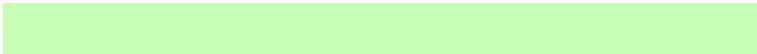
111.9495, 59.3853, 56.4066

Sweetspot

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



31.2985, 59.3878, 10.0440



67.7777, 87.0616, 56.9753



49.3246, 48.6919, 7.0294



13.8243, 18.3093, 10.9638



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.



31.2985, 59.3878, 10.0440



37.8381, 72.5913, 12.0173



30.1739, 58.7053, 14.6325



15.2194, 17.0431, 16.0062



17.6181, 33.6269, 5.5621



1.4691, 2.6847, 0.4408

Inverse Universe

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



32.9353, 15.4091, 78.3323



39.6772, 18.3692, 96.0621



41.6048, 20.6635, 43.2658



15.3276, 15.1141, 19.0317



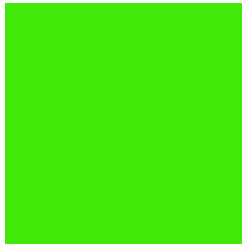
18.5003, 8.5732, 44.4227



1.5393, 0.7178, 3.4923

Previews

White Background



This preview shows how the XYZ color 31.2971, 59.3853, 10.0427 looks on a white background.

Color Contrast Check

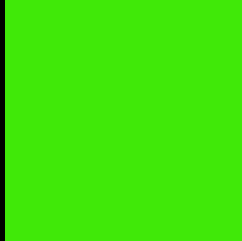
Large Text (above 18pt) WCAG AA × Fail

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 31.2971, 59.3853, 10.0427 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 31.2971, 59.3853, 10.0427

Background



This preview shows how black text looks on a background with the XYZ color 31.2971, 59.3853, 10.0427.



This preview shows how white text looks on a background with the XYZ color 31.2971, 59.3853,

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

31.2971, 59.3853, 10.0427

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

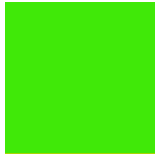
59.1341, 57.7526, 11.0483



Tritanopia

46.6036, 59.1436, 86.8015

Trichromacy



Original Color

31.2971, 59.3853, 10.0427



Protanomaly

39.7470, 55.8106, 8.7638



Deuteranomaly

42.1418, 54.4543, 9.8797



Tritanomaly

36.8790, 57.5291, 38.8663

Monochromacy



Original Color

31.2971, 59.3853, 10.0427



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.9655, 39.8882, 19.0572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2971, 59.3853, 10.0427 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(64, 233, 8)` looks like.

```
.text, #text, p{  
    color:rgb(64, 233, 8)  
}
```

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(64, 233, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 233, 8) }
```

Border

The CSS property to change the border of an element to XYZ 31.2971, 59.3853, 10.0427 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(64, 233, 8) }
```


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

```
.border{ border-color:rgb(64, 233, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 233, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 233, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 233, 8);  
box-shadow:4px 4px 4px 4px rgb(64, 233, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2971, 59.3853, 10.0427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 233, 8) }
```

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

```
.background{ background-color: rgb(64, 233,  
8) }
```

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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