

Converting Colors

XYZ(30.7404, 59.9364, 10.7840)

Have a look what the booklet for
XYZ(30.7404, 59.9364, 10.7840)
contains.

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Color

**XYZ(30.7381, 59.9296,
10.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	28EB17
RGB	40, 235, 23
RGB Percent	16%, 92%, 9%
CMY	0.8431, 0.0784, 0.9097
CMYK	0.83, 0.00, 0.90, 0.08
HSL	115°, 84%, 51%
HSV	115°, 90%, 92%
XYZ	30.7381, 59.9296, 10.7581
YIQ	152.5270, -48.1680, -107.2720

Conversions

Conversions Part 2

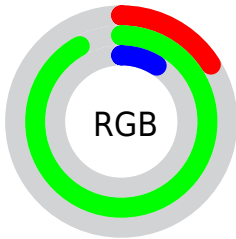
Format	Color
RYB	23, 235, 218
Decimal	2681623
CIELab	81.80, -78.35, 76.16
CIElCh	82, 109.266, 135.812
Yxy	59.9296, 0.3031, 0.5909
Android (android.graphics.Color)	4280871703 (0xFF28EB17)
YUV	152.5270, -63.8568, -98.6862
Hunter-Lab	77.4142, -64.5996, 45.9505

Details

The XYZ color **30.7381, 59.9296, 10.7581** 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 **44.2219, 21.5203, 80.4234**, and the grayscale version is **30.3584, 31.9394, 34.7820**.

A 20% lighter version of the original color is **46.1377, 76.6313, 23.1861**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.9747, 59.5557, 9.9156**, and if you desaturate by 10%, it is **32.1758, 60.6323, 12.6460**.

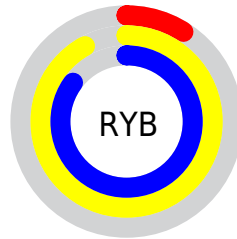
Distribution



Red (16%)

Green (92%)

Blue (9%)



Red (9%)

Yellow (92%)

Blue (85%)

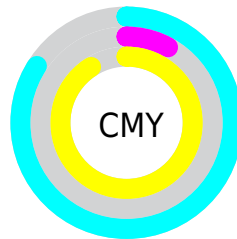


Cyan (83%)

Magenta (0%)

Yellow (90%)

Black (8%)



Cyan (84%)


Magenta (8%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7381, 59.9296, 10.7581 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 30.7381, 59.9296, 10.7581 by changing the saturation by 10% instead.


 30.7381, 59.9296,
10.7581


 30.7381, 59.9296,
10.7581


297.1784,
424.3382, 206.6779

 20.5503, 43.3619,
5.7923


 60.2062, 104.7275,
27.8418


 12.9063, 30.1692,
2.6525


 80.2172, 133.7266,
40.7967


 7.4406, 19.9670,
0.9194


 104.2333,
167.6381, 57.2518

 3.7879, 12.3711,
0.0000

 132.6199,
206.8467, 77.6255

 1.5829, 6.9969,
0.0000

 165.7424,
251.7365, 102.3364

 0.3812, 3.4602,
0.0000

 203.9661,

 0.0000, 1.3764,

302.6922, 131.8031

0.0000

247.6563,
360.0979, 166.4441

■ 0.0000, 0.1993,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.7381, 59.9296,
10.7581

■ 30.7381, 59.9296,
10.7581


■ 29.9747, 59.5557,
9.9156


■ 32.1758, 60.6323,
12.6460


■ 34.4038, 61.7112,
15.8956


■ 37.5170, 63.2130,
20.7008


■ 41.5955, 65.1754,
27.2233

 46.7105, 67.6321,
35.6047

 52.9265, 70.6135,
45.9717

 60.3026, 74.1477,
58.4400

 68.8938, 78.2607,
73.1164

 78.7516, 82.9769,
90.1005

Harmonies

Analogous

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



45.7247, 59.9296, 3.4831



30.7381, 59.9296, 10.7581



23.9065, 59.9296, 38.8377

Triad

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



30.7381, 59.9296, 10.7581



46.7798, 59.9296, 281.6763



111.0902, 59.9296, 36.4325

Complementary

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



30.7381, 59.9296, 10.7581



44.2219, 21.5203, 80.4234

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.



111.5981, 59.9296, 101.5454



30.7381, 59.9296, 10.7581



69.9026, 59.9296, 279.2172

Square

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



30.7381, 59.9296, 10.7581



31.3301, 59.9296, 205.0232



94.9905, 59.9296, 199.6191



93.7479, 59.9296, 10.0119

Rectangle

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



30.7381, 59.9296, 10.7581



23.2822, 59.9296, 78.9596



94.9905, 59.9296, 199.6191



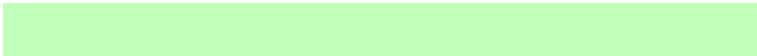
113.3664, 59.9296, 53.2324

Sweetspot

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



30.7395, 59.9321, 10.7594



66.2927, 86.2345, 59.6890



59.3173, 67.5252, 10.7188



13.5756, 18.1636, 11.7431



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.



30.7395, 59.9321, 10.7594



36.0573, 71.6733, 11.9339



32.9515, 60.7567, 25.1293



14.9801, 16.9198, 15.9950



16.7231, 33.1655, 5.5202



1.3520, 2.6243, 0.4353

Inverse Universe

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



44.2219, 21.5203, 80.4234



52.1688, 24.8089, 96.6467



39.8101, 20.3728, 29.3049



15.5888, 15.2488, 19.0439



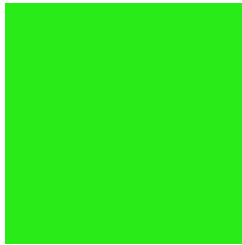
24.1858, 11.5042, 44.6888



1.9345, 0.9216, 3.5108

Previews

White Background



This preview shows how the XYZ color 30.7381, 59.9296, 10.7581 looks on a white background.

Color Contrast Check

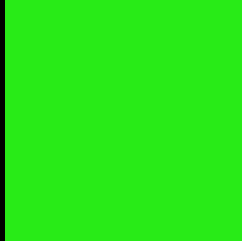
Large Text (above 18pt) WCAG AA × Fail

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 30.7381, 59.9296, 10.7581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

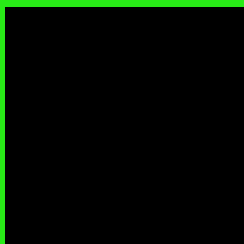
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7381, 59.9296, 10.7581

Background



This preview shows how black text looks on a background with the XYZ color 30.7381, 59.9296, 10.7581.



This preview shows how white text looks on a background with the XYZ color 30.7381, 59.9296,

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

30.7381, 59.9296, 10.7581

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

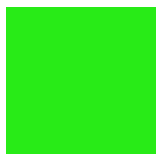
59.8284, 58.4201, 11.7373



Tritanopia

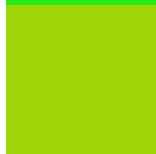
46.1808, 59.6622, 88.4389

Trichromacy



Original Color

30.7381, 59.9296, 10.7581



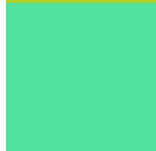
Protanomaly

38.3885, 55.4816, 8.9155



Deuteranomaly

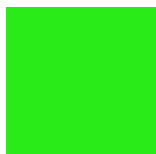
40.6534, 54.0302, 10.5717



Tritanomaly

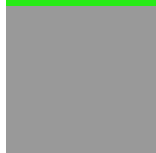
36.5766, 58.1030, 42.0881

Monochromacy



Original Color

30.7381, 59.9296, 10.7581



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.2171, 38.3523, 19.6566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7381, 59.9296, 10.7581 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(40, 235, 23)` looks like.

```
.text, #text, p{  
    color:rgb(40, 235, 23)  
}
```

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(40, 235, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 235, 23) }
```

Border

The CSS property to change the border of an element to XYZ 30.7381, 59.9296, 10.7581 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(40, 235, 23) }
```


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

```
.border{ border-color:rgb(40, 235, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 235, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 235, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 235, 23);  
box-shadow:4px 4px 4px 4px rgb(40, 235,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7381, 59.9296, 10.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 235, 23) }
```

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

```
.background{ background-color: rgb(40, 235,  
23) }
```

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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