

Converting Colors

XYZ(30.3637, 60.0569, 10.8590)

Have a look what the booklet for
XYZ(30.3637, 60.0569, 10.8590)
contains.

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Color

**XYZ(30.4289, 60.1953,
10.8792)**

Conversions

Conversions Part 1

Format	Color
Hex	13EC18
RGB	19, 236, 24
RGB Percent	7%, 93%, 9%
CMY	0.9255, 0.0745, 0.9058
CMYK	0.92, 0.00, 0.90, 0.07
HSL	121°, 85%, 50%
HSV	121°, 92%, 93%
XYZ	30.4289, 60.1953, 10.8792
YIQ	146.9490, -61.2800, -111.9360

Conversions

Conversions Part 2

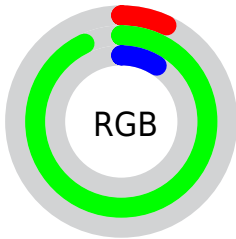
Format	Color
RYB	19, 231, 236
Decimal	1305624
CIELab	81.94, -80.13, 76.06
CIELCh	82, 110.480, 136.490
Yxy	60.1953, 0.2998, 0.5930
Android (android.graphics.Color)	4279495704 (0xFF13EC18)
YUV	146.9490, -60.6139, -112.2113
Hunter-Lab	77.5856, -65.7676, 45.9962

Details

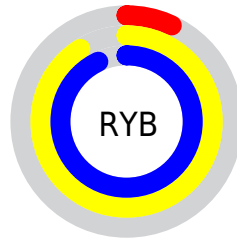
The XYZ color **30.4289, 60.1953, 10.8792** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.2487, 24.0683, 77.6436**, and the grayscale version is **27.9752, 29.4321, 32.0515**.

A 20% lighter version of the original color is **45.2968, 76.1978, 23.1467**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **30.0265, 60.0053, 10.1562**, and if you desaturate by 10%, it is **31.4909, 60.7042, 12.7542**.

Distribution



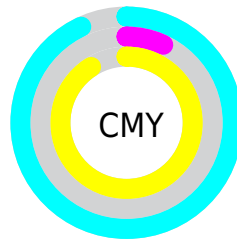
- Red (7%)
- Green (93%)
- Blue (9%)



- Red (7%)
- Yellow (91%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (90%)
- Black (7%)





- Cyan (93%)
- Magenta (7%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4289, 60.1953, 10.8792 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 30.4289, 60.1953, 10.8792 by changing the saturation by 10% instead.


 30.4289, 60.1953,
10.8792


 30.4289, 60.1953,
10.8792


295.7726,
425.3173, 207.5445


 20.3141, 43.5761,
5.8725


 59.7218, 105.1129,
28.0698


 12.7331, 30.3374,
2.7002


 79.6305, 134.1801,
41.0908


 7.3208, 20.0948,
0.9435


 103.5346,
168.1654, 57.6203

 3.7116, 12.4640,
0.0000

 131.7994,
207.4532, 78.0769

 1.5403, 7.0605,
0.0000

 164.7902,
252.4279, 102.8790

 0.3530, 3.5000,
0.0000

 202.8725,

 0.0000, 1.3980,

303.4739, 132.4453

0.0000

246.4115,
360.9755, 167.1943

■ 0.0000, 0.2152,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.4289, 60.1953,
10.8792

■ 30.4289, 60.1953,
10.8792

■ 30.0265, 60.0053,
10.1562


■ 31.4909, 60.7042,
12.7542

■ 33.3666, 61.6024,
15.9472


■ 36.1779, 62.9507,
20.6421


■ 40.0250, 64.7973,
26.9929

 44.9954, 67.1847,
35.1345

 51.1675, 70.1504,
45.1879

 58.6124, 73.7288,
57.2636

 67.3959, 77.9516,
71.4638

 77.5791, 82.8484,
87.8836

Harmonies

Analogous

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



45.3877, 60.1953, 3.3924



30.4289, 60.1953, 10.8792



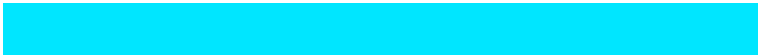
23.7097, 60.1953, 39.8493

Triad

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



30.4289, 60.1953, 10.8792



47.3489, 60.1953, 287.0630



111.9954, 60.1953, 35.3891

Complementary

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



30.4289, 60.1953, 10.8792



49.2487, 24.0683, 77.6436

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.



112.9442, 60.1953, 100.4218



30.4289, 60.1953, 10.8792



70.9341, 60.1953, 282.4527

Square

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



30.4289, 60.1953, 10.8792



31.5261, 60.1953, 210.1093



96.3645, 60.1953, 199.9913



94.0450, 60.1953, 9.5120

Rectangle

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



30.4289, 60.1953, 10.8792



23.1828, 60.1953, 81.1845



96.3645, 60.1953, 199.9913



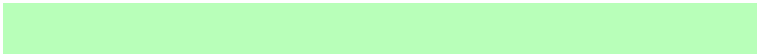
114.4537, 60.1953, 52.0509

Sweetspot

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



30.4303, 60.1978, 10.8806



64.2148, 85.1744, 59.0932



63.5189, 77.2611, 12.1813



12.9694, 17.8583, 11.3894



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.



30.4303, 60.1978, 10.8806



35.7923, 71.5329, 12.0900



34.3701, 61.7737, 31.6274



14.8824, 16.8678, 16.0638



16.5570, 33.0773, 5.6320



1.3051, 2.5994, 0.4685

Inverse Universe

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



49.2487, 24.0683, 77.6436



58.3557, 28.1063, 92.0598



38.4573, 19.7518, 20.8167



15.6989, 15.3074, 18.9658



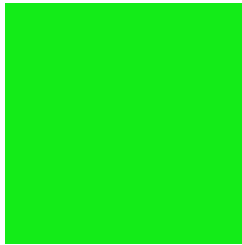
26.9903, 12.9988, 42.6116



2.1242, 1.0226, 3.3713

Previews

White Background



This preview shows how the XYZ color 30.4289, 60.1953, 10.8792 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 30.4289, 60.1953, 10.8792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

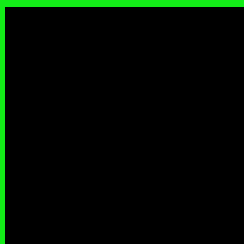
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4289, 60.1953, 10.8792

Background



This preview shows how black text looks on a background with the XYZ color 30.4289, 60.1953, 10.8792.



This preview shows how white text looks on a background with the XYZ color 30.4289, 60.1953,

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

30.4289, 60.1953, 10.8792

Protanopia

53.1374, 58.7438, 8.6529

Deuteranopia

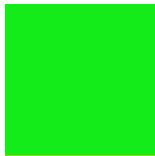
59.8526, 58.4298, 11.8649



Tritanopia

45.8731, 59.4868, 89.1851

Trichromacy



Original Color

30.4289, 60.1953, 10.8792



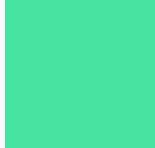
Protanomaly

37.0559, 54.7927, 8.9396



Deuteranomaly

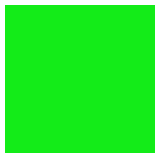
38.9159, 53.1323, 10.5874



Tritanomaly

35.8689, 57.7281, 42.5099

Monochromacy



Original Color

30.4289, 60.1953, 10.8792



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

23.7739, 35.9088, 18.2485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4289, 60.1953, 10.8792 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(19, 236, 24)` looks like.

```
.text, #text, p{  
    color:rgb(19, 236, 24)  
}
```

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(19, 236, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 236, 24) }
```

Border

The CSS property to change the border of an element to XYZ 30.4289, 60.1953, 10.8792 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(19, 236, 24) }
```


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

```
.border{ border-color:rgb(19, 236, 24) }
```

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

Here you see how a box with a 4 pixel rgb(19, 236, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 236, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 236, 24);  
box-shadow:4px 4px 4px 4px rgb(19, 236,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4289, 60.1953, 10.8792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 236, 24) }
```

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

```
.background{ background-color: rgb(19, 236,  
24) }
```

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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