

Converting Colors

XYZ(30.3004, 59.7077, 10.7648)

Have a look what the booklet for
XYZ(30.3004, 59.7077, 10.7648)
contains.

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Color

**XYZ(30.2992, 59.7022,
10.7909)**

Conversions

Conversions Part 1

Format	Color
Hex	1AEB18
RGB	26, 235, 24
RGB Percent	10%, 92%, 9%
CMY	0.8980, 0.0784, 0.9058
CMYK	0.89, 0.00, 0.90, 0.08
HSL	119°, 84%, 51%
HSV	119°, 90%, 92%
XYZ	30.2992, 59.7022, 10.7909
YIQ	148.4550, -56.8330, -109.9290

Conversions

Conversions Part 2

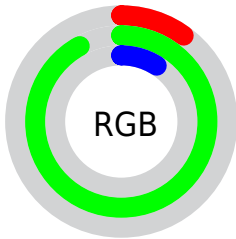
Format	Color
RYB	24, 235, 233
Decimal	1764120
CIELab	81.68, -79.46, 75.85
CIELCh	82, 109.850, 136.329
Yxy	59.7022, 0.3006, 0.5923
Android (android.graphics.Color)	4279954200 (0xFF1AEB18)
YUV	148.4550, -61.3563, -107.3930
Hunter-Lab	77.2672, -65.2214, 45.8068

Details

The XYZ color **30.2992, 59.7022, 10.7909** 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 **48.9340, 23.9795, 80.6498**, and the grayscale version is **28.6065, 30.0962, 32.7748**.

A 20% lighter version of the original color is **45.4333, 76.2682, 23.1531**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7464, 59.4377, 9.9197**, and if you desaturate by 10%, it is **31.5133, 60.2884, 12.7203**.

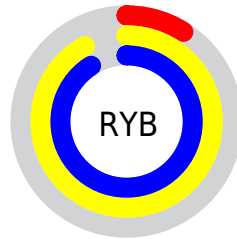
Distribution



Red (10%)

Green (92%)

Blue (9%)



Red (9%)

Yellow (92%)

Blue (91%)

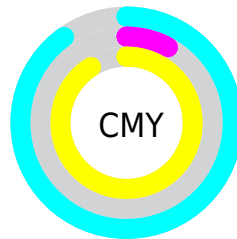


Cyan (89%)

Magenta (0%)

Yellow (90%)

Black (8%)



Cyan (90%)


Magenta (8%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2992, 59.7022, 10.7909 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 30.2992, 59.7022, 10.7909 by changing the saturation by 10% instead.


 30.2992, 59.7022,
10.7909


 30.2992, 59.7022,
10.7909


295.1815,
423.4992, 206.9130


 20.2150, 43.1786,
5.8140


 59.5184, 104.3976,
27.9036


 12.6606, 30.0253,
2.6654


 79.3841, 133.3381,
40.8764


 7.2706, 19.8578,
0.9259


 103.2411,
167.1865, 57.3517

 3.6798, 12.2917,
0.0000

 131.4546,
206.3271, 77.7479

 1.5226, 6.9427,
0.0000

 164.3900,
251.1443, 102.4836

 0.3411, 3.4263,
0.0000

 202.4127,

 0.0000, 1.3581,

302.0224, 131.9773

0.0000

245.8881,
359.3459, 166.6476

■ 0.0000, 0.1855,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2992, 59.7022,
10.7909

■ 30.2992, 59.7022,
10.7909

■ 29.7464, 59.4377,
9.9197

■ 31.5133, 60.2884,
12.7203


■ 29.7372, 59.4333,
9.9045


■ 33.5618, 61.2735,
16.0224


■ 36.5602, 62.7146,
20.8903


■ 40.6047, 64.6578,
27.4855

 45.7797, 67.1437,
35.9495

 52.1612, 70.2086,
46.4091

 59.8184, 73.8857,
58.9800

 68.8154, 78.2058,
73.7692

 79.2119, 83.1975,
90.8763

Harmonies

Analogous

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



45.1506, 59.7022, 3.4013



30.2992, 59.7022, 10.7909



23.6035, 59.7022, 39.3380

Triad

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



30.2992, 59.7022, 10.7909



46.8816, 59.7022, 283.5019



110.9344, 59.7022, 35.3984

Complementary

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



30.2992, 59.7022, 10.7909



48.9340, 23.9795, 80.6498

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.



111.7705, 59.7022, 99.9427



30.2992, 59.7022, 10.7909



70.1720, 59.7022, 279.4435

Square

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



30.2992, 59.7022, 10.7909



31.2685, 59.7022, 207.2576



95.3178, 59.7022, 198.3473



93.2733, 59.7022, 9.5787

Rectangle

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



30.2992, 59.7022, 10.7909



23.0574, 59.7022, 80.0621



95.3178, 59.7022, 198.3473



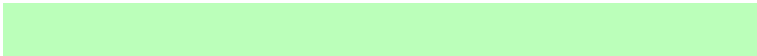
113.3295, 59.7022, 51.9660

Sweetspot

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



30.3006, 59.7047, 10.7922



65.0828, 85.6108, 59.6323



63.1400, 75.1541, 12.0435



13.3005, 18.0217, 11.7302



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.



30.3006, 59.7047, 10.7922



35.7900, 71.5355, 11.9214



33.8521, 61.1197, 29.7498



14.8814, 16.8689, 15.9904



16.5553, 33.0791, 5.5123



1.3046, 2.5999, 0.4331

Inverse Universe

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



48.9340, 23.9795, 80.6498



58.4135, 28.0282, 96.9390



38.8248, 20.0111, 24.0164



15.7000, 15.3061, 19.0492



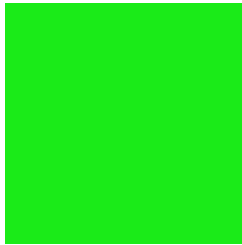
27.0166, 12.9635, 44.8212



2.1260, 1.0203, 3.5198

Previews

White Background



This preview shows how the XYZ color 30.2992, 59.7022, 10.7909 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 30.2992, 59.7022, 10.7909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

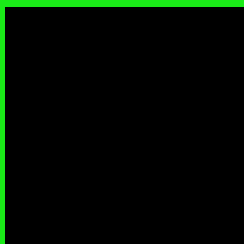
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2992, 59.7022, 10.7909

Background



This preview shows how black text looks on a background with the XYZ color 30.2992, 59.7022, 10.7909.



This preview shows how white text looks on a background with the XYZ color 30.2992, 59.7022,

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

30.2992, 59.7022, 10.7909

Protanopia

52.5926, 58.1151, 8.5890

Deuteranopia

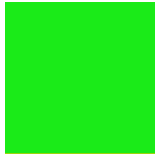
59.4653, 58.2329, 11.7203



Tritanopia

45.8387, 59.4859, 88.4228

Trichromacy



Original Color

30.2992, 59.7022, 10.7909



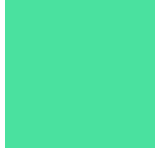
Protanomaly

37.1870, 54.4851, 8.9045



Deuteranomaly

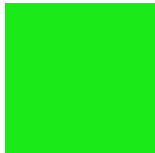
39.3450, 53.3535, 10.6074



Tritanomaly

36.0073, 57.8095, 42.0615

Monochromacy



Original Color

30.2992, 59.7022, 10.7909



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.4784, 36.5648, 18.5995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2992, 59.7022, 10.7909 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(26, 235, 24)` looks like.

```
.text, #text, p{  
    color:rgb(26, 235, 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(26, 235, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 235, 24) }
```

Border

The CSS property to change the border of an element to XYZ 30.2992, 59.7022, 10.7909 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(26, 235, 24) }
```


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

```
.border{ border-color:rgb(26, 235, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 235, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 235, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 235, 24);  
box-shadow:4px 4px 4px 4px rgb(26, 235,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2992, 59.7022, 10.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 235, 24) }
```

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

```
.background{ background-color: rgb(26, 235,  
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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