

Converting Colors

XYZ(30.5224, 59.2836, 11.6838)

Have a look what the booklet for
XYZ(30.5224, 59.2836, 11.6838)
contains.

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Color

**XYZ(30.5720, 59.3976,
11.6873)**

Conversions

Conversions Part 1

Format	Color
Hex	26EA26
RGB	38, 234, 38
RGB Percent	15%, 92%, 15%
CMY	0.8510, 0.0823, 0.8509
CMYK	0.84, 0.00, 0.84, 0.08
HSL	120°, 82%, 53%
HSV	120°, 84%, 92%
XYZ	30.5720, 59.3976, 11.6873
YIQ	153.0520, -53.9000, -102.5080

Conversions

Conversions Part 2

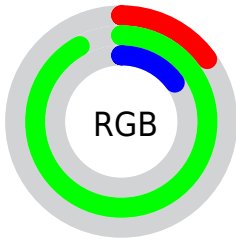
Format	Color
R _Y B	38, 234, 234
Decimal	2550310
CIE Lab	81.51, -77.72, 73.07
CIE LCh	82, 106.674, 136.765
Yxy	59.3976, 0.3007, 0.5843
Android (android.graphics.Color)	4280740390 (0xFF26EA26)
YUV	153.0520, -56.7206, -100.9006
Hunter-Lab	77.0698, -64.0650, 44.9578




Details

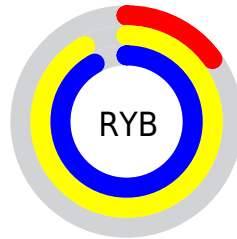
The XYZ color **30.5720, 59.3976, 11.6873** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.4766, 24.8196, 80.0205**, and the grayscale version is **30.5588, 32.1502, 35.0116**.




A 20% lighter version of the original color is **46.3267, 76.6903, 24.9314**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **29.6980, 58.9796, 10.2565**, and if you desaturate by 10%, it is **32.2267, 60.1942, 14.3932**.

Distribution







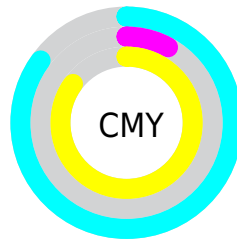
-  Red (15%)
-  Green (92%)
-  Blue (15%)






-  Red (15%)
-  Yellow (92%)
-  Blue (92%)



-  Cyan (84%)
-  Magenta (0%)
-  Yellow (84%)
-  Black (8%)




-  Cyan (85%)
-  Magenta (8%)
-  Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5720, 59.3976, 11.6873 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 30.5720, 59.3976, 11.6873 by changing the saturation by 10% instead.


 30.5720, 59.3976,
11.6873


 30.5720, 59.3976,
11.6873


296.4239,
422.3738, 213.2279


 20.4234, 42.9333,
6.4112


 59.9460, 103.9553,
29.5801


 12.8132, 29.8328,
3.0239


 79.9022, 132.8175,
43.0339


 7.3762, 19.7117,
1.1068


 103.8582,
166.5811, 60.0507

 3.7469, 12.1856,
0.0000

 132.1794,
205.6304, 81.0489

 1.5599, 6.8702,
0.0000

 165.2312,
250.3500, 106.4472

 0.3661, 3.3811,
0.0000

 203.3790,

 0.0000, 1.3338,

301.1241, 136.6642

0.0000

246.9881,
358.3373, 172.1182

■ 0.0000, 0.1671,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.5720, 59.3976,
11.6873

■ 30.5720, 59.3976,
11.6873

■ 29.6980, 58.9796,
10.2565


■ 32.2267, 60.1942,
14.3932


■ 29.4240, 58.8480,
9.8083


■ 34.7845, 61.4229,
18.5772


■ 38.3509, 63.1360,
24.4108

■ 43.0158, 65.3768,
32.0412

 48.8592, 68.1837,
41.5991

 55.9536, 71.5915,
53.2032

 64.3658, 75.6323,
66.9626

 74.1577, 80.3358,
82.9787

 85.3874, 85.7300,
101.3463

Harmonies

Analogous

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



44.9419, 59.3976, 3.9094



30.5720, 59.3976, 11.6873



24.0980, 59.3976, 40.3849

Triad

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



30.5720, 59.3976, 11.6873



47.1750, 59.3976, 273.7730



108.4273, 59.3976, 35.2660

Complementary

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



30.5720, 59.3976, 11.6873



49.4766, 24.8196, 80.0205

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.



109.4898, 59.3976, 97.1517



30.5720, 59.3976, 11.6873



69.7848, 59.3976, 268.6686

Square

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



30.5720, 59.3976, 11.6873



31.8330, 59.3976, 202.2164



93.9212, 59.3976, 190.9650



91.3166, 59.3976, 10.0556

Rectangle

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



30.5720, 59.3976, 11.6873



23.6236, 59.3976, 80.2870



93.9212, 59.3976, 190.9650



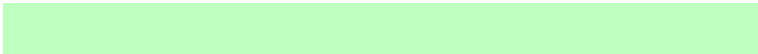
110.8051, 59.3976, 51.2287

Sweetspot

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



30.5734, 59.4001, 11.6886



66.7407, 86.4016, 62.5960



63.7069, 76.4810, 13.2384



13.6117, 18.1700, 12.2965



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.



30.5734, 59.4001, 11.6886



35.7601, 71.5200, 11.9204



34.6675, 61.0377, 33.2478



14.8684, 16.8622, 15.9900



16.5341, 33.0681, 5.5116



1.2983, 2.5966, 0.4329

Inverse Universe

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



49.4766, 24.8196, 80.0205



59.2879, 28.4792, 96.9691



39.0703, 20.6571, 25.2215



15.7148, 15.3138, 19.0497



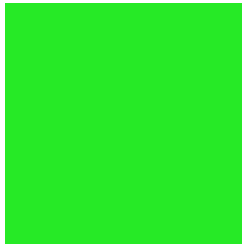
27.4125, 13.1677, 44.8349



2.1525, 1.0340, 3.5207

Previews

White Background



This preview shows how the XYZ color 30.5720, 59.3976, 11.6873 looks on a white background.

Color Contrast Check

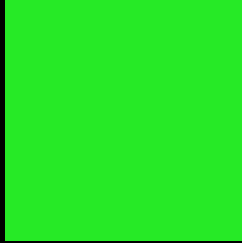
Large Text (above 18pt) WCAG AA × Fail

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 30.5720, 59.3976, 11.6873 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 30.5720, 59.3976, 11.6873

Background



This preview shows how black text looks on a background with the XYZ color 30.5720, 59.3976, 11.6873.

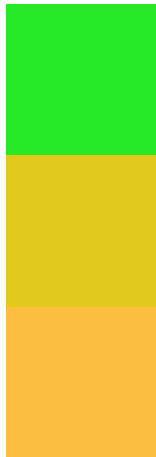


This preview shows how white text looks on a background with the XYZ color 30.5720, 59.3976,

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

30.5720, 59.3976, 11.6873

Protanopia

52.4724, 58.0307, 9.5979

Deuteranopia

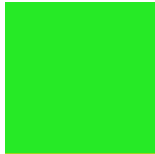
59.0666, 57.6839, 12.5784



Tritanopia

45.6603, 59.0245, 87.5836

Trichromacy



Original Color

30.5720, 59.3976, 11.6873



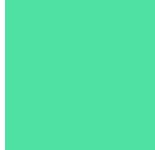
Protanomaly

38.1555, 54.9619, 9.9642



Deuteranomaly

40.1695, 53.3983, 11.5579



Tritanomaly

36.4910, 57.6179, 43.8484

Monochromacy



Original Color

30.5720, 59.3976, 11.6873



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.1527, 37.9831, 20.9920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5720, 59.3976, 11.6873 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(38, 234, 38)` looks like.

```
.text, #text, p{  
    color:rgb(38, 234, 38)  
}
```

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(38, 234, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 234, 38) }
```

Border

The CSS property to change the border of an element to XYZ 30.5720, 59.3976, 11.6873 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(38, 234, 38) }
```


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

```
.border{ border-color:rgb(38, 234, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 234, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 234, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 234, 38);  
box-shadow:4px 4px 4px 4px rgb(38, 234,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5720, 59.3976, 11.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 234, 38) }
```

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

```
.background{ background-color: rgb(38, 234,  
38) }
```

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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