

Converting Colors

XYZ(30.8157, 57.6859, 9.5103)

Have a look what the booklet for
XYZ(30.8157, 57.6859, 9.5103)
contains.

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Color

**XYZ(30.9693, 57.9713,
9.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	48E600
RGB	72, 230, 0
RGB Percent	28%, 90%, 0%
CMY	0.7176, 0.0980, 0.9999
CMYK	0.69, 0.00, 1.00, 0.10
HSL	101°, 100%, 45%
HSV	101°, 100%, 90%
XYZ	30.9693, 57.9713, 9.5573
YIQ	156.5380, -20.3380, -105.0260

Conversions

Conversions Part 2

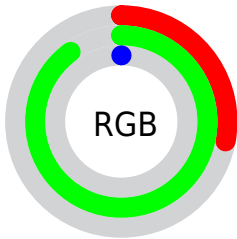
Format	Color
RYB	0, 230, 158
Decimal	4777472
CIELab	80.72, -72.85, 77.88
CIELCh	81, 106.641, 133.088
Yxy	57.9713, 0.3144, 0.5886
Android (android.graphics.Color)	4282967552 (0xFF48E600)
YUV	156.5380, -77.1732, -74.1398
Hunter-Lab	76.1389, -60.6386, 45.8549

Details

The XYZ color **30.9693, 57.9713, 9.5573** 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 **28.3911, 12.9866, 75.8763**, and the grayscale version is **32.1851, 33.8612, 36.8749**.

A 20% lighter version of the original color is **48.6356, 77.9589, 21.5010**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **30.9689, 57.9729, 9.5577**, and if you desaturate by 10%, it is **32.4588, 58.7230, 10.4361**.

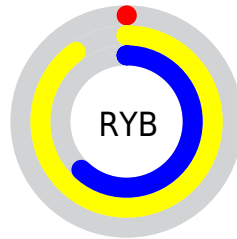
Distribution



Red (28%)

Green (90%)

Blue (0%)



Red (0%)

Yellow (90%)

Blue (62%)

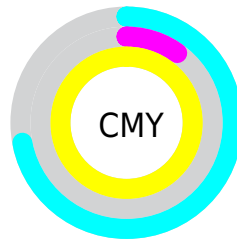


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (72%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9693, 57.9713, 9.5573 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 30.9693, 57.9713, 9.5573 by changing the saturation by 10% instead.


 30.9693, 57.9713,
9.5573


 30.9693, 57.9713,
9.5573


298.2263,
417.0790, 197.8512


 20.7272, 41.7856,
5.0047


 60.5679, 101.8811,
25.5541


 13.0361, 28.9334,
2.1912


 80.6551, 130.3739,
37.8354


 7.5305, 19.0305,
0.6693


 104.7547,
163.7379, 53.5299

 3.8453, 11.6923,
0.0000

 133.2321,
202.3574, 73.0563

 1.6150, 6.5345,
0.0000

 166.4526,
246.6169, 96.8331

 0.4022, 3.1727,
0.0000

 204.7815,

 0.0000, 1.2226,

296.9007, 125.2789

0.0000

248.5843,
353.5933, 158.8120

■ 0.0000, 0.0800,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.9693, 57.9713,
9.5573

■ 30.9693, 57.9713,
9.5573

■ 30.9689, 57.9729,
9.5577

■ 32.4588, 58.7230,
10.4361

■ 34.4549, 59.7129,
12.2977

■ 37.0369, 60.9768,
15.4530

■ 40.2566, 62.5375,
20.0817

■ 44.1592, 64.4150,
26.3352

■ 48.7851, 66.6272,
34.3462

■ 54.1715, 69.1907,
44.2335

■ 60.3527, 72.1209,
56.1055

■ 67.3611, 75.4322,
70.0627

Harmonies

Analogous

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



46.0691, 57.9713, 3.3860



30.9693, 57.9713, 9.5573



23.7391, 57.9713, 34.0417

Triad

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



30.9693, 57.9713, 9.5573



43.6927, 57.9713, 264.3140



107.3962, 57.9713, 39.4787

Complementary

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



30.9693, 57.9713, 9.5573



28.3911, 12.9866, 75.8763

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.



106.2609, 57.9713, 105.3055



30.9693, 57.9713, 9.5573



65.2401, 57.9713, 269.7840

Square

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



30.9693, 57.9713, 9.5573



29.6305, 57.9713, 187.2391



89.3247, 57.9713, 199.2831



92.1059, 57.9713, 11.2739

Rectangle

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



30.9693, 57.9713, 9.5573



22.7452, 57.9713, 69.8718



89.3247, 57.9713, 199.2831



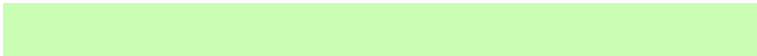
109.0224, 57.9713, 56.8194

Sweetspot

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



30.9706, 57.9737, 9.5586



68.3227, 87.3726, 55.6468



44.7219, 40.9983, 5.5572



13.9820, 18.3962, 10.7170



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.



30.9706, 57.9737, 9.5586



39.0516, 73.2169, 12.0740



28.7197, 56.7647, 11.6515



14.6116, 16.3068, 15.2819



17.6432, 32.8769, 5.4160



1.3968, 2.4775, 0.4046

Inverse Universe

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



28.3911, 12.9866, 75.8763



35.7737, 16.3569, 95.8795



41.6949, 20.4484, 49.2372



14.5333, 14.3772, 18.1534



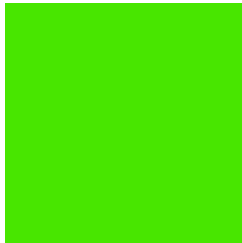
16.2030, 7.4188, 42.9612



1.2920, 0.5970, 3.1791

Previews

White Background



This preview shows how the XYZ color 30.9693, 57.9713, 9.5573 looks on a white background.

Color Contrast Check

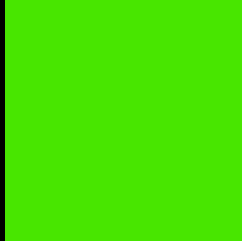
Large Text (above 18pt) WCAG AA × Fail

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 30.9693, 57.9713, 9.5573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

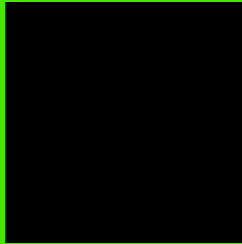
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9693, 57.9713, 9.5573

Background



This preview shows how black text looks on a background with the XYZ color 30.9693, 57.9713, 9.5573.

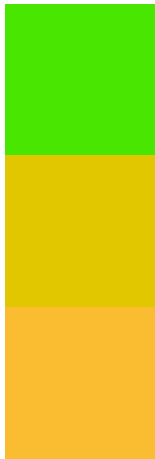


This preview shows how white text looks on a background with the XYZ color 30.9693, 57.9713,

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

30.9693, 57.9713, 9.5573

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

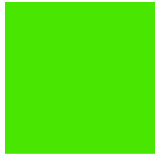
57.9619, 56.5122, 10.7587



Tritanopia

45.8065, 57.6446, 84.3136

Trichromacy



Original Color

30.9693, 57.9713, 9.5573



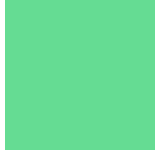
Protanomaly

39.4088, 54.5282, 8.4479



Deuteranomaly

41.6108, 53.1251, 9.3574



Tritanomaly

36.2265, 56.0597, 36.5150

Monochromacy



Original Color

30.9693, 57.9713, 9.5573



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.0449, 39.6367, 18.2291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9693, 57.9713, 9.5573 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(72, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 230, 0)  
}
```

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(72, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.9693, 57.9713, 9.5573 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(72, 230, 0) }
```


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

```
.border{ border-color:rgb(72, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(72, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 230, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.9693, 57.9713, 9.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 230, 0) }
```

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

```
.background{ background-color: rgb(72, 230,  
0) }
```

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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