

Converting Colors

XYZ(30.7228, 58.8672, 10.5278)

Have a look what the booklet for
XYZ(30.7228, 58.8672, 10.5278)
contains.

XYZ(30.8691, 59.1519, 10.6011)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8691, 59.1519,
10.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	37E917
RGB	55, 233, 23
RGB Percent	22%, 91%, 9%
CMY	0.7843, 0.0863, 0.9097
CMYK	0.76, 0.00, 0.90, 0.09
HSL	111°, 83%, 50%
HSV	111°, 90%, 91%
XYZ	30.8691, 59.1519, 10.6011
YIQ	155.8380, -38.6780, -103.0460

Conversions

Conversions Part 2

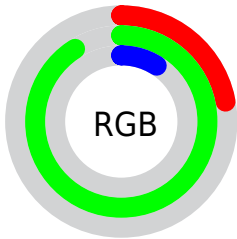
Format	Color
R_{YB}	23, 233, 201
Decimal	3664151
CIE _{Lab}	81.38, -76.03, 75.88
CIE _{LCh}	81, 107.417, 135.057
Yxy	59.1519, 0.3068, 0.5879
Android (android.graphics.Color)	4281854231 (0xFF37E917)
YUV	155.8380, -65.4891, -88.4349
Hunter-Lab	76.9103, -62.9493, 45.6648

Details

The XYZ color **30.8691, 59.1519, 10.6011** 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 **39.1086, 18.9175, 78.6841**, and the grayscale version is **31.8249, 33.4823, 36.4622**.

A 20% lighter version of the original color is **47.1856, 77.1715, 23.2351**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **29.8499, 58.6461, 9.7466**, and if you desaturate by 10%, it is **32.5218, 59.9658, 12.4782**.

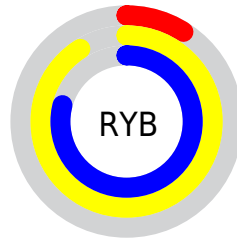
Distribution



Red (22%)

Green (91%)

Blue (9%)



Red (9%)

Yellow (91%)

Blue (79%)

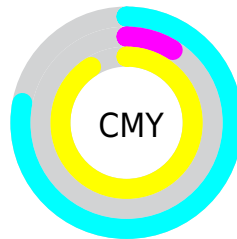


Cyan (76%)

Magenta (0%)

Yellow (90%)

Black (9%)



Cyan (78%)


Magenta (9%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8691, 59.1519, 10.6011 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 30.8691, 59.1519, 10.6011 by changing the saturation by 10% instead.


 30.8691, 59.1519,
10.6011


 30.8691, 59.1519,
10.6011


297.7725,
421.4646, 205.5482


 20.6505, 42.7354,
5.6885


 60.4112, 103.5984,
27.5454


 12.9798, 29.6776,
2.5909


 80.4654, 132.3972,
40.4142


 7.4915, 19.5940,
0.8878


 104.5288,
166.0922, 56.7722

 3.8204, 12.1003,
0.0000

 132.9669,
205.0679, 77.0379

 1.6010, 6.8120,
0.0000

 166.1450,
249.7086, 101.6298

 0.3931, 3.3448,
0.0000

 204.4283,

 0.0000, 1.3143,

300.3986, 130.9664

0.0000

248.1824,
357.5225, 165.4664

■ 0.0000, 0.1522,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.8691, 59.1519,
10.6011

■ 30.8691, 59.1519,
10.6011

■ 29.8499, 58.6461,
9.7466

■ 32.5218, 59.9658,
12.4782

■ 34.9014, 61.1240,
15.6900

■ 38.0849, 62.6636,
20.4251

■ 42.1378, 64.6151,
26.8410

■ 47.1188, 67.0058,
35.0756

■ 53.0813, 69.8606,
45.2526

■ 60.0748, 73.2023,
57.4847

■ 68.1452, 77.0526,
71.8762

■ 77.3357, 81.4315,
88.5240

Harmonies

Analogous

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



45.7373, 59.1519, 3.5945



30.8691, 59.1519, 10.6011



23.9785, 59.1519, 37.4990

Triad

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



30.8691, 59.1519, 10.6011



45.8099, 59.1519, 272.9032



109.0567, 59.1519, 37.3331

Complementary

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



30.8691, 59.1519, 10.6011



39.1086, 18.9175, 78.6841

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.



109.0913, 59.1519, 101.8319



30.8691, 59.1519, 10.6011



68.1980, 59.1519, 272.7360

Square

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



30.8691, 59.1519, 10.6011



30.9100, 59.1519, 197.5187



92.6445, 59.1519, 197.1507



92.5595, 59.1519, 10.5488

Rectangle

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



30.8691, 59.1519, 10.6011



23.2540, 59.1519, 75.9300



92.6445, 59.1519, 197.1507



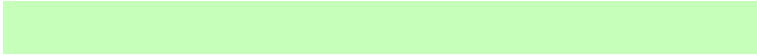
111.1132, 59.1519, 54.1119

Sweetspot

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



30.8705, 59.1544, 10.6024



67.5697, 86.8928, 59.7487



53.9560, 57.7774, 9.1199



13.8677, 18.3141, 11.7568



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.



30.8705, 59.1544, 10.6024



36.5906, 71.9482, 11.9589



31.4702, 59.2531, 20.1373



15.0819, 16.9722, 15.9998



17.0014, 33.3090, 5.5332



1.4004, 2.6493, 0.4376

Inverse Universe

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



39.1086, 18.9175, 78.6841



46.4168, 21.8436, 96.3775



40.5240, 20.5825, 36.4914



15.4763, 15.1908, 19.0387



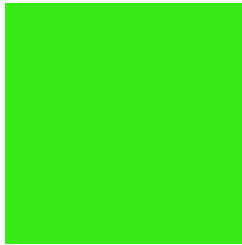
21.5723, 10.1569, 44.5664



1.7549, 0.8290, 3.5024

Previews

White Background



This preview shows how the XYZ color 30.8691, 59.1519, 10.6011 looks on a white background.

Color Contrast Check

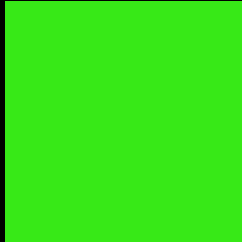
Large Text (above 18pt) WCAG AA × Fail

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 30.8691, 59.1519, 10.6011 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 30.8691, 59.1519, 10.6011

Background



This preview shows how black text looks on a background with the XYZ color 30.8691, 59.1519, 10.6011.



This preview shows how white text looks on a background with the XYZ color 30.8691, 59.1519,

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

30.8691, 59.1519, 10.6011

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

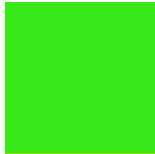
58.8630, 57.6025, 11.5060



Tritanopia

45.9708, 58.8174, 86.7719

Trichromacy



Original Color

30.8691, 59.1519, 10.6011



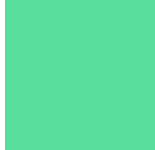
Protanomaly

39.1479, 55.4985, 8.8787



Deuteranomaly

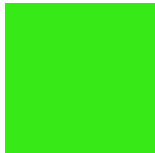
41.3297, 54.0203, 10.5342



Tritanomaly

36.5933, 57.3335, 41.0361

Monochromacy



Original Color

30.8691, 59.1519, 10.6011



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.4550, 39.2856, 20.3232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8691, 59.1519, 10.6011 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(55, 233, 23)` looks like.

```
.text, #text, p{  
    color:rgb(55, 233, 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(55, 233, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 233, 23) }
```

Border

The CSS property to change the border of an element to XYZ 30.8691, 59.1519, 10.6011 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(55, 233, 23) }
```


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

```
.border{ border-color:rgb(55, 233, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 233, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 233, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 233, 23);  
box-shadow:4px 4px 4px 4px rgb(55, 233,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8691, 59.1519, 10.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 233, 23) }
```

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

```
.background{ background-color: rgb(55, 233,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor