

Converting Colors

XYZ(30.0959, 51.9413, 10.3553)

Have a look what the booklet for
XYZ(30.0959, 51.9413, 10.3553)
contains.

XYZ(30.0677, 51.9109, 10.3545)	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(30.0677, 51.9109,
10.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	63D827
RGB	99, 216, 39
RGB Percent	39%, 85%, 15%
CMY	0.6118, 0.1529, 0.8470
CMYK	0.54, 0.00, 0.82, 0.15
HSL	100°, 69%, 50%
HSV	100°, 82%, 85%
XYZ	30.0677, 51.9109, 10.3545
YIQ	160.8390, -12.9150, -79.8510

Conversions

Conversions Part 2

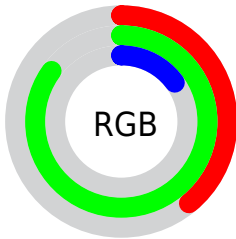
Format	Color
RYB	39, 216, 156
Decimal	6543399
CIELab	77.23, -61.15, 69.45
CIELCh	77, 92.536, 131.367
Yxy	51.9109, 0.3256, 0.5622
Android (android.graphics.Color)	4284733479 (0xFF63D827)
YUV	160.8390, -60.0666, -54.2328
Hunter-Lab	72.0492, -51.5942, 41.9136

Details

The XYZ color **30.0677, 51.9109, 10.3545** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **26.8338, 13.4789, 66.1560**, and the grayscale version is **34.0775, 35.8522, 39.0431**.

A 20% lighter version of the original color is **52.6062, 79.9332, 24.9679**, and **12.8593, 25.2903, 4.2038** is the 20% darker color. If you saturate the color by 10%, you get **28.3824, 51.0739, 8.9096**, and if you desaturate by 10%, it is **32.2348, 52.9759, 12.8863**.

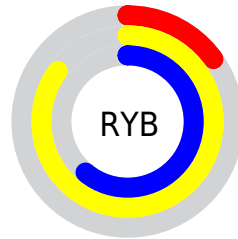
Distribution



Red (39%)

Green (85%)

Blue (15%)



Red (15%)

Yellow (85%)

Blue (61%)

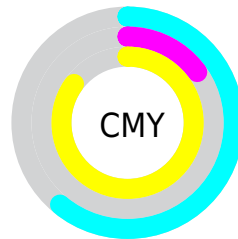


Cyan (54%)

Magenta (0%)

Yellow (82%)

Black (15%)



Cyan (61%)

Magenta (15%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0677, 51.9109, 10.3545 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 30.0677, 51.9109, 10.3545 by changing the saturation by 10% instead.

■ 30.0677, 51.9109,
10.3545

■ 30.0677, 51.9109,
10.3545

294.1241,
394.0925, 203.7597

■ 20.0383, 36.9341,
5.5260

■ 59.1551, 92.9998,
27.0783

■ 12.5313, 25.1564,
2.4950

■ 78.9439, 119.8807,
39.8107

■ 7.1814, 16.1936,
0.8375

■ 102.7164,
151.4984, 56.0148

■ 3.6231, 9.6613,
0.0000

■ 130.8382,
188.2372, 76.1092

■ 1.4912, 5.1750,
0.0000

■ 163.6744,
230.4817, 100.5123

■ 0.3198, 2.3503,
0.0000

■ 201.5906,

■ 0.0000, 0.8001,

278.6161, 129.6427

0.0000

244.9520,
333.0249, 163.9190

■ 0.0000, 0.0000,
0.0000

■ 30.0677, 51.9109,
10.3545

■ 30.0677, 51.9109,
10.3545

■ 28.3824, 51.0739,
8.9096

■ 32.2348, 52.9759,
12.8863

■ 27.3208, 50.5387,
8.3150

■ 34.9237, 54.2813,
16.6612

■ 38.1735, 55.8459,
21.8135

■ 42.0178, 57.6846,
28.4595

■ 46.4875, 59.8111,
36.7027

■ 51.6111, 62.2378,
46.6379

■ 57.4153, 64.9767,
58.3522

■ 63.9251, 68.0389,
71.9268

■ 71.1643, 71.4350,
87.4377

Harmonies

Analogous

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



42.9223, 51.9109, 4.6716



30.0677, 51.9109, 10.3545



23.5760, 51.9109, 30.7172

Triad

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



30.0677, 51.9109, 10.3545



39.2306, 51.9109, 208.6614



90.8689, 51.9109, 39.3833

Complementary

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



30.0677, 51.9109, 10.3545



26.8338, 13.4789, 66.1560

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.



89.1992, 51.9109, 93.8016



30.0677, 51.9109, 10.3545



56.3670, 51.9109, 216.4045

Square

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



30.0677, 51.9109, 10.3545



27.9249, 51.9109, 148.6937



75.4681, 51.9109, 165.9973



79.5967, 51.9109, 13.4407

Rectangle

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



30.0677, 51.9109, 10.3545



22.5065, 51.9109, 58.8823



75.4681, 51.9109, 165.9973



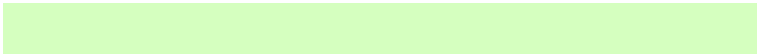
91.8624, 51.9109, 54.2259

Sweetspot

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



30.0689, 51.9131, 10.3556



72.5908, 89.4175, 62.8679



40.2513, 37.8757, 7.1095



14.9716, 18.8710, 12.3597



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.



30.0689, 51.9131, 10.3556



39.9851, 73.6949, 12.2636



26.3644, 49.9336, 13.3348



12.6552, 14.0985, 13.2150



16.2742, 29.9660, 4.9263



1.0687, 1.8523, 0.3012

Inverse Universe

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



26.8338, 13.4789, 66.1560



34.7475, 15.9100, 95.8473



38.2807, 19.7451, 50.1970



12.5252, 12.4122, 15.6732



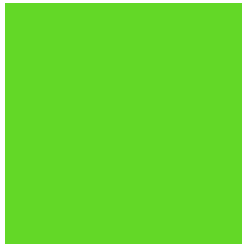
14.1389, 6.4414, 38.9513



0.9395, 0.4332, 2.3534

Previews

White Background



This preview shows how the XYZ color 30.0677, 51.9109, 10.3545 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 30.0677, 51.9109, 10.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

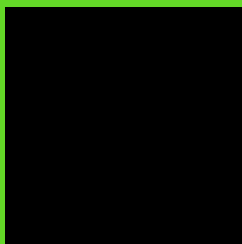
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

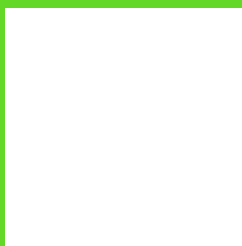
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0677, 51.9109, 10.3545

Background



This preview shows how black text looks on a background with the XYZ color 30.0677, 51.9109, 10.3545.



This preview shows how white text looks on a background with the XYZ color 30.0677, 51.9109,

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

30.0677, 51.9109, 10.3545

Protanopia

46.1147, 51.0773, 8.7949

Deuteranopia

52.0100, 50.9525, 11.0966



Tritanopia

42.6170, 51.5289, 73.3456

Trichromacy



Original Color

30.0677, 51.9109, 10.3545



Protanomaly

37.7401, 49.7389, 9.2016



Deuteranomaly

40.1610, 48.9437, 10.4623



Tritanomaly

35.3466, 50.3316, 37.5578

Monochromacy



Original Color

30.0677, 51.9109, 10.3545



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.2160, 39.7354, 22.9068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0677, 51.9109, 10.3545 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(99, 216, 39)` looks like.

```
.text, #text, p{  
    color:rgb(99, 216, 39)  
}
```

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(99, 216, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 216, 39) }
```

Border

The CSS property to change the border of an element to XYZ 30.0677, 51.9109, 10.3545 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(99, 216, 39) }
```


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

```
.border{ border-color:rgb(99, 216, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 216, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 216, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 216, 39);  
box-shadow:4px 4px 4px 4px rgb(99, 216,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0677, 51.9109, 10.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 216, 39) }
```

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

```
.background{ background-color: rgb(99, 216,  
39) }
```

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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