

Converting Colors

XYZ(30.6586, 51.1666, 9.7791)

Have a look what the booklet for
XYZ(30.6586, 51.1666, 9.7791)
contains.

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Color

**XYZ(30.6385, 51.0835,
9.7587)**

Conversions

Conversions Part 1

Format	Color
Hex	6FD522
RGB	111, 213, 34
RGB Percent	44%, 84%, 13%
CMY	0.5647, 0.1647, 0.8666
CMYK	0.48, 0.00, 0.84, 0.16
HSL	94°, 72%, 48%
HSV	94°, 84%, 84%
XYZ	30.6385, 51.0835, 9.7587
YIQ	162.0960, -3.3330, -77.2930

Conversions

Conversions Part 2

Format	Color
RYB	34, 213, 136
Decimal	7329058
CIELab	76.73, -56.87, 70.37
CIELCh	77, 90.478, 128.940
Yxy	51.0835, 0.3349, 0.5584
Android (android.graphics.Color)	4285519138 (0xFF6FD522)
YUV	162.0960, -63.1513, -44.8112
Hunter-Lab	71.4727, -48.5589, 41.9356

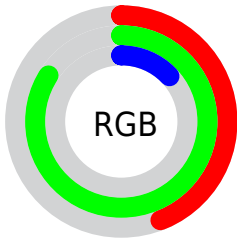
Details

The XYZ color **30.6385, 51.0835, 9.7587** 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 **22.7390, 11.1845, 63.9140**, and the grayscale version is **34.6773, 36.4832, 39.7302**.

A 20% lighter version of the original color is **54.7123, 81.0410, 24.0681**, and **13.1392, 24.6718, 4.0696** is the 20% darker color. If you saturate the color by 10%, you get **28.9965, 50.2638, 8.5447**, and if you desaturate by 10%, it is **32.6805, 52.0906, 11.9857**.

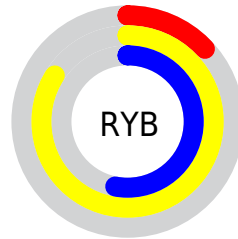
Distribution



Red (44%)

Green (84%)

Blue (13%)



Red (13%)

Yellow (84%)

Blue (53%)

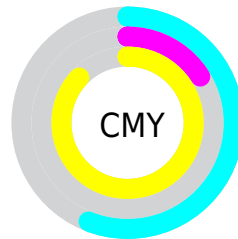


Cyan (48%)

Magenta (0%)

Yellow (84%)

Black (16%)



Cyan (56%)


Magenta (16%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6385, 51.0835, 9.7587 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 30.6385, 51.0835, 9.7587 by changing the saturation by 10% instead.


 30.6385, 51.0835,
9.7587


 30.6385, 51.0835,
9.7587


296.7261,
390.8881, 199.3629


 20.4742, 36.2751,
5.1358


 60.0502, 91.7782,
25.9413


 12.8505, 24.6467,
2.2670


 80.0283, 118.4332,
38.3381

 7.4020, 15.8140,
0.7126


 104.0084,
149.8059, 54.1632

 3.7633, 9.3927,
0.0000

 132.3559,
186.2807, 73.8352

 1.5691, 4.9982,
0.0000

 165.4360,
228.2419, 97.7726

 0.3721, 2.2462,
0.0000

 203.6142,

 0.0000, 0.7450,

276.0739, 126.3940

0.0000

247.2558,
330.1612, 160.1180

■ 0.0000, 0.0000,
0.0000

■ 30.6385, 51.0835,
9.7587

■ 30.6385, 51.0835,
9.7587

■ 28.9965, 50.2638,
8.5447

■ 32.6805, 52.0906,
11.9857

■ 28.1708, 49.8463,
8.1365

■ 35.1575, 53.2949,
15.3834

■ 38.1030, 54.7124,
20.0858

■ 41.5461, 56.3554,
26.2077

■ 45.5128, 58.2352,
33.8514

■ 50.0271, 60.3622,
43.1098

■ 55.1116, 62.7461,
54.0683

■ 60.7872, 65.3959,
66.8063

■ 67.0738, 68.3203,
81.3982

Harmonies

Analogous

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



43.6077, 51.0835, 4.7690



30.6385, 51.0835, 9.7587



23.8255, 51.0835, 28.1203

Triad

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



30.6385, 51.0835, 9.7587



37.6422, 51.0835, 198.4772



88.9522, 51.0835, 42.1999

Complementary

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



30.6385, 51.0835, 9.7587



22.7390, 11.1845, 63.9140

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.



86.2814, 51.0835, 96.9242



30.6385, 51.0835, 9.7587



53.8594, 51.0835, 210.7739

Square

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



30.6385, 51.0835, 9.7587



27.1574, 51.0835, 138.5839



72.3649, 51.0835, 166.1455



78.9805, 51.0835, 14.8780

Rectangle

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



30.6385, 51.0835, 9.7587



22.4847, 51.0835, 53.8918



72.3649, 51.0835, 166.1455



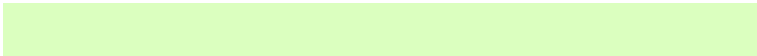
89.5447, 51.0835, 57.3873

Sweetspot

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



30.6397, 51.0857, 9.7598



74.3058, 90.3016, 62.9482



36.4563, 31.7134, 5.7140



15.3763, 19.0796, 12.3787



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.



30.6397, 51.0857, 9.7598



42.1507, 74.8145, 12.2191



24.9474, 48.1277, 10.5537



12.7639, 14.1545, 13.2201



17.3192, 30.5047, 4.9752



1.1384, 1.8882, 0.3045

Inverse Universe

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



22.7390, 11.1845, 63.9140



29.7834, 13.2688, 95.5991



38.5652, 19.5118, 57.0359



12.4132, 12.3544, 15.6679



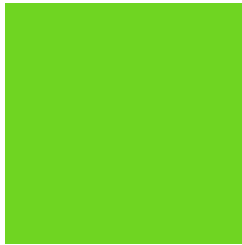
12.3050, 5.4960, 38.8654



0.8361, 0.3799, 2.3486

Previews

White Background



This preview shows how the XYZ color 30.6385, 51.0835, 9.7587 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 30.6385, 51.0835, 9.7587 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 30.6385, 51.0835, 9.7587

Background



This preview shows how black text looks on a background with the XYZ color 30.6385, 51.0835, 9.7587.



This preview shows how white text looks on a background with the XYZ color 30.6385, 51.0835,

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

30.6385, 51.0835, 9.7587

Protanopia

45.5468, 50.4714, 8.3783

Deuteranopia

51.3780, 50.3394, 10.4986



Tritanopia

42.8129, 50.6465, 71.1376

Trichromacy



Original Color

30.6385, 51.0835, 9.7587



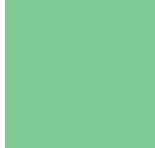
Protanomaly

38.1076, 49.5959, 8.7928



Deuteranomaly

40.6297, 48.5432, 9.9177



Tritanomaly

35.6828, 49.4710, 36.1019

Monochromacy



Original Color

30.6385, 51.0835, 9.7587



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.9461, 40.1252, 22.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6385, 51.0835, 9.7587 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(111, 213, 34)` looks like.

```
.text, #text, p{  
    color:rgb(111, 213, 34)  
}
```

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(111, 213, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 213, 34) }
```

Border

The CSS property to change the border of an element to XYZ 30.6385, 51.0835, 9.7587 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(111, 213, 34) }
```


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

```
.border{ border-color:rgb(111, 213, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 213, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 213, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 213, 34);  
box-shadow:4px 4px 4px 4px rgb(111, 213,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6385, 51.0835, 9.7587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 213, 34) }
```

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

```
.background{ background-color: rgb(111,  
213, 34) }
```

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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