

Converting Colors

XYZ(30.6097, 23.1998, 86.1550)

Have a look what the booklet for
XYZ(30.6097, 23.1998, 86.1550)
contains.

XYZ(30.5800, 23.2016, 86.0857)	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(30.5800, 23.2016,
86.0857)**

Conversions

Conversions Part 1

Format	Color
Hex	7D74F1
RGB	125, 116, 241
RGB Percent	49%, 45%, 95%
CMY	0.5098, 0.5451, 0.0549
CMYK	0.48, 0.52, 0.00, 0.05
HSL	244°, 82%, 70%
HSV	244°, 52%, 95%
XYZ	30.5800, 23.2016, 86.0857
YIQ	132.9410, -34.7610, 40.7830

Conversions

Conversions Part 2

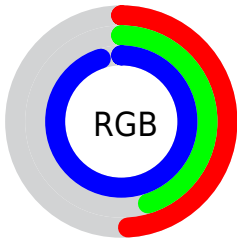
Format	Color
R _Y B	125, 116, 241
Decimal	8221937
CIE Lab	55.28, 35.37, -62.04
CIE LCh	55, 71.416, 299.691
Yxy	23.2016, 0.2186, 0.1659
Android (android.graphics.Color)	4286412017 (0xFF7D74F1)
YUV	132.9410, 53.2731, -6.9643
Hunter-Lab	48.1680, 29.0286, -72.2452

Details

The XYZ color **30.5800, 23.2016, 86.0857** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **67.8856, 81.3272, 28.6432**, and the grayscale version is **22.0953, 23.2459, 25.3148**.

A 20% lighter version of the original color is **51.8198, 45.4156, 100.6426**, and **12.8332, 8.6849, 46.3474** is the 20% darker color. If you saturate the color by 10%, you get **25.2483, 16.8505, 85.1413**, and if you desaturate by 10%, it is **37.3691, 31.3740, 87.3058**.

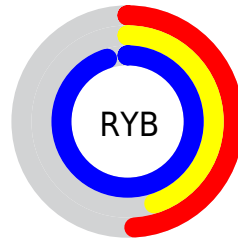
Distribution



Red (49%)

Green (45%)

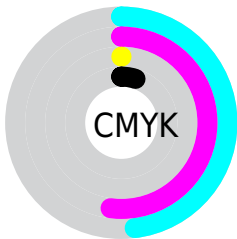
Blue (95%)



Red (49%)

Yellow (45%)

Blue (95%)

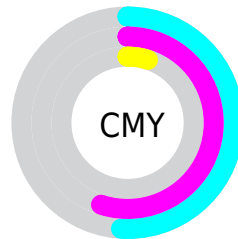


Cyan (48%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (51%)

Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5800, 23.2016, 86.0857 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 30.5800, 23.2016, 86.0857 by changing the saturation by 10% instead.

■ 30.5800, 23.2016,
86.0857

■ 30.5800, 23.2016,
86.0857

296.4602,
268.7588, 535.4517

■ 20.4295, 14.7424,
64.1835

■ 59.9586, 48.7241,
143.7767

■ 12.8177, 8.6388,
46.3522

■ 79.9173, 66.5563,
180.4026

■ 7.3793, 4.5064,
32.1732

■ 103.8762, 88.2816,
222.7735

■ 3.7488, 1.9607,
21.2279

■ 132.2006,
114.2844, 271.3079

■ 1.5610, 0.5845,
13.0978

165.2559,
144.9491, 326.4244

■ 0.3668, 0.0000,
7.3644

203.4073,

■ 0.0000, 0.0000,

180.6602, 388.5415

3.6092

247.0203,
221.8019, 458.0778

■ 0.0000, 0.0000,
1.4135

■ 0.0000, 0.0000,
0.1522

■ 30.5800, 23.2016,
86.0857

■ 30.5800, 23.2016,
86.0857

■ 25.2483, 16.8505,
85.1413

■ 37.3691, 31.3740,
87.3058

■ 21.2641, 12.1787,
84.4496

■ 45.7088, 41.4903,
88.8189

■ 18.5067, 9.0270,
83.9866

■ 55.6879, 53.6655,
90.6430

■ 16.8324, 7.2043,
83.7230

■ 67.3877, 68.0046,
92.7941

■ 16.1149, 6.4734,
83.6197

■ 80.8842, 84.6056,
95.2870

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



21.9695, 23.2016, 99.8525



30.5800, 23.2016, 86.0857



38.1707, 23.2016, 54.6442

Triad

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



30.5800, 23.2016, 86.0857



30.7592, 23.2016, 3.1261



9.9722, 23.2016, 25.0256

Complementary

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



30.5800, 23.2016, 86.0857



67.8856, 81.3272, 28.6432

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.



11.2624, 23.2016, 8.9175



30.5800, 23.2016, 86.0857



22.1356, 23.2016, 1.8569

Square

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



30.5800, 23.2016, 86.0857



38.2905, 23.2016, 9.1247



15.2788, 23.2016, 3.0674



11.2094, 23.2016, 53.9583

Rectangle

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



30.5800, 23.2016, 86.0857



40.9059, 23.2016, 33.9924



15.2788, 23.2016, 3.0674



10.1190, 23.2016, 18.1721

Sweetspot

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



30.5810, 23.2024, 86.0863



70.8038, 70.1874, 104.4235



52.1247, 68.1537, 93.6273



14.5691, 14.3051, 22.2432



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.



30.5810, 23.2024, 86.0863



28.5349, 18.9572, 96.7629



42.5758, 29.3859, 86.6476



15.0027, 15.2831, 19.8808



8.7792, 3.5312, 45.3468



0.7668, 0.3126, 3.7741

Inverse Universe

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



57.0864, 37.0180, 80.4779



61.7757, 36.2990, 89.0297



51.2218, 72.7367, 27.8633



16.4022, 16.0106, 19.6744



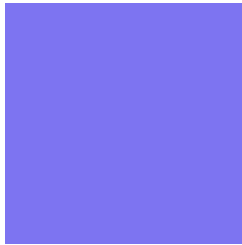
26.9627, 13.0575, 39.3157



2.2576, 1.0921, 3.3476

Previews

White Background



This preview shows how the XYZ color 30.5800, 23.2016, 86.0857 looks on a white background.

Color Contrast Check

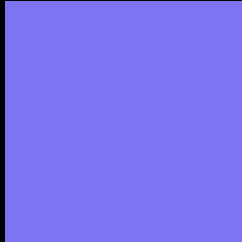
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5800, 23.2016, 86.0857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

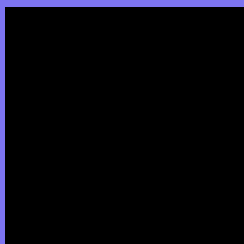
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5800, 23.2016, 86.0857

Background



This preview shows how black text looks on a background with the XYZ color 30.5800, 23.2016, 86.0857.



This preview shows how white text looks on a background with the XYZ color 30.5800, 23.2016,

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

30.5800, 23.2016, 86.0857

Protanopia

27.3123, 23.4909, 96.0232

Deuteranopia

24.2121, 23.3713, 83.3558



Tritanopia

19.8832, 23.3199, 32.3074

Trichromacy



Original Color

30.5800, 23.2016, 86.0857

Protanomaly

27.9627, 23.1397, 92.6151

Deuteranomaly

24.9465, 22.3439, 83.8869

Tritanomaly

22.8479, 22.8396, 48.0040

Monochromacy



Original Color

30.5800, 23.2016, 86.0857

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.2417, 22.9031, 42.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5800, 23.2016, 86.0857 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(125, 116, 241)` looks like.

```
.text, #text, p{  
    color:rgb(125, 116, 241)  
}
```

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(125, 116, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 116, 241) }
```

Border

The CSS property to change the border of an element to XYZ 30.5800, 23.2016, 86.0857 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(125, 116, 241) }
```


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

```
.border{ border-color:rgb(125, 116, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 116, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 116, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 116, 241); box-shadow:4px 4px 4px 4px rgb(125, 116, 241) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5800, 23.2016, 86.0857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 116, 241) }
```

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

```
.background{ background-color: rgb(125,  
116, 241) }
```

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