

Converting Colors

XYZ(30.1358, 23.9124, 75.0442)

Have a look what the booklet for
XYZ(30.1358, 23.9124, 75.0442)
contains.

XYZ(30.1168, 23.9105, 74.9794)	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(30.1168, 23.9105,
74.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	8578E2
RGB	133, 120, 226
RGB Percent	52%, 47%, 89%
CMY	0.4784, 0.5294, 0.1137
CMYK	0.41, 0.47, 0.00, 0.11
HSL	247°, 65%, 68%
HSV	247°, 47%, 89%
XYZ	30.1168, 23.9105, 74.9794
YIQ	135.9710, -26.2780, 35.7220

Conversions

Conversions Part 2

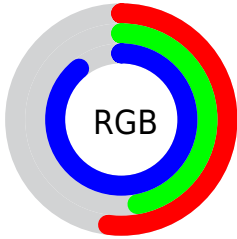
Format	Color
RYB	133, 120, 226
Decimal	8747234
CIELab	56.00, 30.54, -52.48
CIElCh	56, 60.717, 300.195
Yxy	23.9105, 0.2335, 0.1853
Android (android.graphics.Color)	4286937314 (0xFF8578E2)
YUV	135.9710, 44.3843, -2.6056
Hunter-Lab	48.8984, 24.3671, -56.6848

Details

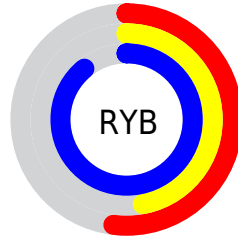
The XYZ color **30.1168, 23.9105, 74.9794** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **58.0271, 69.8952, 28.2027**, and the grayscale version is **23.2380, 24.4482, 26.6241**.

A 20% lighter version of the original color is **54.0377, 47.6722, 100.9613**, and **12.5695, 8.9865, 39.1023** is the 20% darker color. If you saturate the color by 10%, you get **24.8722, 17.6373, 74.0454**, and if you desaturate by 10%, it is **36.5956, 31.7727, 76.1560**.

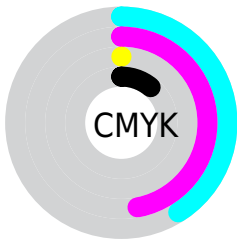
Distribution



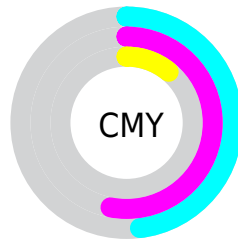
- Red (52%)
- Green (47%)
- Blue (89%)



- Red (52%)
- Yellow (47%)
- Blue (89%)



- Cyan (41%)
- Magenta (47%)
- Yellow (0%)
- Black (11%)



- Cyan (48%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1168, 23.9105, 74.9794 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 30.1168, 23.9105, 74.9794 by changing the saturation by 10% instead.

■ 30.1168, 23.9105,
74.9794

■ 30.1168, 23.9105,
74.9794

294.3486,
272.3677, 497.1003

■ 20.0758, 15.2672,
55.0944

■ 59.2322, 49.8841,
128.0300

■ 12.5587, 9.0072,
39.0782

■ 79.0373, 67.9833,
162.0327

■ 7.2003, 4.7459,
26.5123

■ 102.8278, 90.0031,
201.5784

■ 3.6351, 2.0989,
16.9781

130.9690,
116.3282, 247.0856

■ 1.4979, 0.6640,
10.0571

163.8263,
147.3428, 298.9728

■ 0.3244, 0.0000,
5.3307

201.7651,

■ 0.0000, 0.0000,

183.4313, 357.6587

2.3805

245.1508,
224.9781, 423.5616

■ 0.0000, 0.0000,
0.7758

■ 0.0000, 0.0000,
0.0000

■ 30.1168, 23.9105,
74.9794

■ 30.1168, 23.9105,
74.9794

■ 24.8722, 17.6373,
74.0454

■ 36.5956, 31.7727,
76.1560

■ 20.7797, 12.8417,
73.3355

■ 44.3777, 41.3198,
77.5886

■ 17.7518, 9.4019,
72.8311

■ 53.5305, 52.6433,
79.2918

■ 15.6867, 7.1753,
72.5102

■ 64.1161, 65.8272,
81.2787

■ 14.4588, 5.9808,
72.3444

■ 76.1925, 80.9501,
83.5612

■ 14.1989, 5.7340,
72.3104

■ 89.6222, 97.7012,
86.0866

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



22.7716, 23.9105, 85.9681



30.1168, 23.9105, 74.9794



36.3770, 23.9105, 50.0135

Triad

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



30.1168, 23.9105, 74.9794



30.0221, 23.9105, 4.9643



11.8268, 23.9105, 26.1646

Complementary

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



30.1168, 23.9105, 74.9794



58.0271, 69.8952, 28.2027

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.



13.0054, 23.9105, 11.2884



30.1168, 23.9105, 74.9794



22.6809, 23.9105, 3.4714

Square

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



30.1168, 23.9105, 74.9794



36.3150, 23.9105, 11.1599



16.6559, 23.9105, 5.0075



13.0367, 23.9105, 50.3620

Rectangle

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



30.1168, 23.9105, 74.9794



38.5674, 23.9105, 33.0972



16.6559, 23.9105, 5.0075



11.9532, 23.9105, 20.0556

Sweetspot

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



30.1178, 23.9113, 74.9800



74.1009, 73.8358, 104.9539



45.4277, 57.3924, 80.6356



15.2428, 15.0360, 22.3488



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.



30.1178, 23.9113, 74.9800



33.0287, 23.5759, 97.4175



40.5408, 29.2846, 75.4678



13.1075, 13.3234, 17.2685



8.1533, 3.2985, 41.2553



0.6172, 0.2555, 2.8620

Inverse Universe

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



50.0911, 34.4064, 66.9511



62.4132, 39.0353, 84.7372



45.2113, 63.2884, 27.6030



14.2189, 13.9052, 16.9226



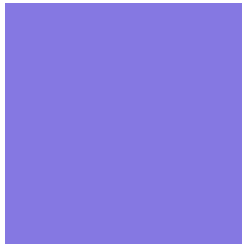
23.7566, 11.5697, 31.7138



1.6673, 0.8102, 2.3069

Previews

White Background



This preview shows how the XYZ color 30.1168, 23.9105, 74.9794 looks on a white background.

Color Contrast Check

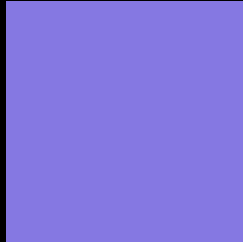
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1168, 23.9105, 74.9794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

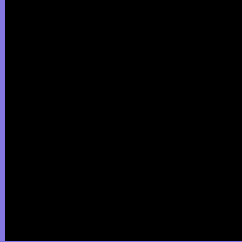
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1168, 23.9105, 74.9794

Background



This preview shows how black text looks on a background with the XYZ color 30.1168, 23.9105, 74.9794.



This preview shows how white text looks on a background with the XYZ color 30.1168, 23.9105,

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

30.1168, 23.9105, 74.9794

Protanopia

27.0029, 24.2200, 82.6086

Deuteranopia

24.8849, 24.1515, 73.1622



Tritanopia

21.4527, 23.9243, 31.9209

Trichromacy



Original Color

30.1168, 23.9105, 74.9794

Protanomaly

27.6343, 23.8297, 79.4870

Deuteranomaly

26.2610, 23.8339, 73.7373

Tritanomaly

23.9373, 23.4719, 44.8639

Monochromacy



Original Color

30.1168, 23.9105, 74.9794

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.1357, 23.9807, 40.8401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1168, 23.9105, 74.9794 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(133, 120, 226)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 226)  
}
```

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(133, 120, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 226) }
```

Border

The CSS property to change the border of an element to XYZ 30.1168, 23.9105, 74.9794 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(133, 120, 226) }
```


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

```
.border{ border-color:rgb(133, 120, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 120, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 120, 226); box-shadow:4px 4px 4px 4px rgb(133, 120, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1168, 23.9105, 74.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 226) }
```

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

```
.background{ background-color: rgb(133,  
120, 226) }
```

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