

Converting Colors

XYZ(30.7540, 23.6383, 81.3912)

Have a look what the booklet for
XYZ(30.7540, 23.6383, 81.3912)
contains.

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Color

**XYZ(30.7168, 23.5460,
81.5232)**

Conversions

Conversions Part 1

Format	Color
Hex	8375EB
RGB	131, 117, 235
RGB Percent	51%, 46%, 92%
CMY	0.4863, 0.5412, 0.0784
CMYK	0.44, 0.50, 0.00, 0.08
HSL	247°, 75%, 69%
HSV	247°, 50%, 92%
XYZ	30.7168, 23.5460, 81.5232
YIQ	134.6380, -29.5340, 39.6660

Conversions

Conversions Part 2

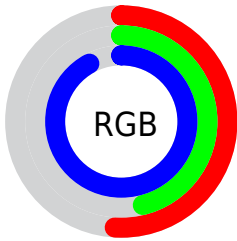
Format	Color
RYB	131, 117, 235
Decimal	8615403
CIELab	55.63, 34.37, -58.11
CIELCh	56, 67.513, 300.604
Yxy	23.5460, 0.2262, 0.1734
Android (android.graphics.Color)	4286805483 (0xFF8375EB)
YUV	134.6380, 49.4785, -3.1905
Hunter-Lab	48.5242, 28.0767, -65.6433

Details

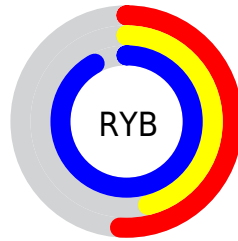
The XYZ color **30.7168, 23.5460, 81.5232** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.7374, 76.0732, 28.2070**, and the grayscale version is **22.7268, 23.9103, 26.0383**.

A 20% lighter version of the original color is **53.2242, 46.4148, 100.7615**, and **12.8507, 8.7651, 43.1340** is the 20% darker color. If you saturate the color by 10%, you get **25.4210, 17.2491, 80.5874**, and if you desaturate by 10%, it is **37.3429, 31.5493, 82.7192**.

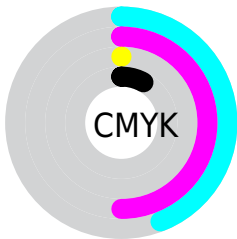
Distribution



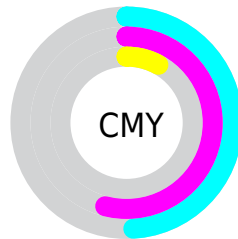
- Red (51%)
- Green (46%)
- Blue (92%)



- Red (51%)
- Yellow (46%)
- Blue (92%)



- Cyan (44%)
- Magenta (50%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (54%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7168, 23.5460, 81.5232 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 30.7168, 23.5460, 81.5232 by changing the saturation by 10% instead.

■ 30.7168, 23.5460,
81.5232

■ 30.7168, 23.5460,
81.5232

297.0817,
270.5171, 519.8929

■ 20.5341, 14.9972,
60.4391

■ 60.1728, 49.2883,
137.3358

■ 12.8944, 8.8174,
43.3450

■ 80.1768, 67.2506,
172.9014

■ 7.4323, 4.6223,
29.8225

■ 104.1852, 89.1195,
214.1313

■ 3.7826, 2.0274,
19.4530

132.5635,
115.2794, 261.4439

■ 1.5799, 0.6233,
11.8179

165.6769,
146.1148, 315.2578

■ 0.3793, 0.0000,
6.4988

203.8908,

■ 0.0000, 0.0000,

182.0099, 375.9916

3.0770

247.5707,
223.3492, 444.0638

■ 0.0000, 0.0000,
1.1341

■ 0.0000, 0.0000,
0.0000

■ 30.7168, 23.5460,
81.5232

■ 30.7168, 23.5460,
81.5232

■ 25.4210, 17.2491,
80.5874

■ 37.3429, 31.5493,
82.7192

■ 21.3617, 12.5315,
79.8907

■ 45.3785, 41.3688,
84.1911

■ 18.4373, 9.2521,
79.4119

■ 54.9001, 53.1077,
85.9551

■ 16.5284, 7.2433,
79.1248

■ 65.9779, 66.8611,
88.0259

■ 15.4714, 6.2435,
78.9875

■ 78.6775, 82.7175,
90.4171

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



22.5350, 23.5460, 94.8492



30.7168, 23.5460, 81.5232



37.7620, 23.5460, 52.3075

Triad

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



30.7168, 23.5460, 81.5232



30.3868, 23.5460, 3.6829



10.6756, 23.5460, 26.0836

Complementary

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



30.7168, 23.5460, 81.5232



62.7374, 76.0732, 28.2070

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.



11.8711, 23.5460, 10.0425



30.7168, 23.5460, 81.5232



22.2253, 23.5460, 2.3892

Square

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



30.7168, 23.5460, 81.5232



37.5430, 23.5460, 9.6369



15.7068, 23.5460, 3.8058



11.9728, 23.5460, 53.5528

Rectangle

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



30.7168, 23.5460, 81.5232



40.2130, 23.5460, 33.1323



15.7068, 23.5460, 3.8058



10.7958, 23.5460, 19.3680

Sweetspot

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



30.7178, 23.5468, 81.5238



72.7054, 72.1345, 104.6991



48.2501, 61.6168, 87.9480



14.9657, 14.6999, 22.2985



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.



30.7178, 23.5468, 81.5238



30.5689, 20.7271, 96.9973



42.5342, 29.6384, 82.0768



14.3972, 14.6345, 18.9882



8.6653, 3.5030, 43.9624



0.7349, 0.3031, 3.4547

Inverse Universe

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



53.6734, 35.6055, 72.4482



61.2544, 36.8680, 83.8880



47.8675, 68.4074, 27.5111



15.6334, 15.2812, 18.6205



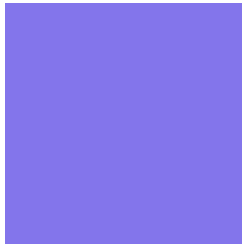
25.3748, 12.3526, 34.1049



2.0143, 0.9787, 2.7927

Previews

White Background



This preview shows how the XYZ color 30.7168, 23.5460, 81.5232 looks on a white background.

Color Contrast Check

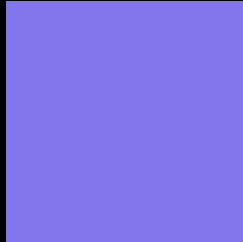
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7168, 23.5460, 81.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

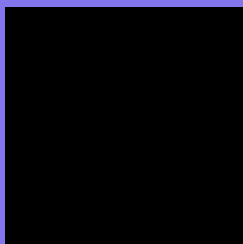
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.7168, 23.5460, 81.5232

Background



This preview shows how black text looks on a background with the XYZ color 30.7168, 23.5460, 81.5232.



This preview shows how white text looks on a background with the XYZ color 30.7168, 23.5460,

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

30.7168, 23.5460, 81.5232

Protanopia

27.2373, 23.7555, 91.1454

Deuteranopia

24.6091, 23.8817, 78.9139



Tritanopia

20.8200, 23.5981, 31.8913

Trichromacy



Original Color

30.7168, 23.5460, 81.5232

Protanomaly

28.0255, 23.4655, 87.8462

Deuteranomaly

25.7643, 23.0584, 79.4367

Tritanomaly

23.5570, 23.0425, 46.3861

Monochromacy



Original Color

30.7168, 23.5460, 81.5232

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.9014, 23.4469, 41.7413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7168, 23.5460, 81.5232 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(131, 117, 235)` looks like.

```
.text, #text, p{  
    color:rgb(131, 117, 235)  
}
```

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(131, 117, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 117, 235) }
```

Border

The CSS property to change the border of an element to XYZ 30.7168, 23.5460, 81.5232 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(131, 117, 235) }
```


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

```
.border{ border-color:rgb(131, 117, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 117, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 117, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 117, 235);  
box-shadow:4px 4px 4px 4px rgb(131, 117,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7168, 23.5460, 81.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 117, 235) }
```

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

```
.background{ background-color: rgb(131,  
117, 235) }
```

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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