

Converting Colors

XYZ(28.3698, 23.1935, 66.5999)

Have a look what the booklet for
XYZ(28.3698, 23.1935, 66.5999)
contains.

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Color

**XYZ(28.3698, 23.1935,
66.5999)**

Conversions

Conversions Part 1

Format	Color
Hex	8478D6
RGB	132, 120, 214
RGB Percent	52%, 47%, 84%
CMY	0.4823, 0.5294, 0.1608
CMYK	0.38, 0.44, 0.00, 0.16
HSL	248°, 53%, 65%
HSV	248°, 44%, 84%
XYZ	28.3698, 23.1935, 66.5999
YIQ	134.3040, -23.0220, 31.7780

Conversions

Conversions Part 2

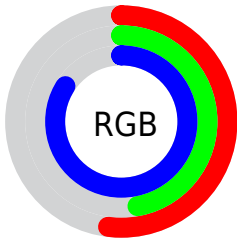
Format	Color
R _Y B	132, 120, 214
Decimal	8681686
CIE Lab	55.27, 26.95, -46.89
CIE LCh	55, 54.083, 299.885
Yxy	23.1935, 0.2401, 0.1963
Android (android.graphics.Color)	4286871766 (0xFF8478D6)
YUV	134.3040, 39.2901, -2.0206
Hunter-Lab	48.1596, 20.8711, -48.2803

Details

The XYZ color **28.3698, 23.1935, 66.5999** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **51.7939, 62.0060, 27.0085**, and the grayscale version is **22.6385, 23.8175, 25.9373**.

A 20% lighter version of the original color is **53.5416, 47.4164, 100.9381**, and **11.5718, 8.5875, 33.8485** is the 20% darker color. If you saturate the color by 10%, you get **23.4153, 17.2366, 65.7117**, and if you desaturate by 10%, it is **34.4236, 30.5715, 67.7054**.

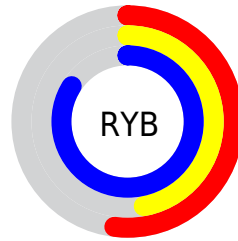
Distribution



Red (52%)

Green (47%)

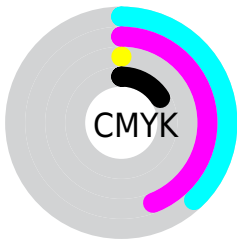
Blue (84%)



Red (52%)

Yellow (47%)

Blue (84%)

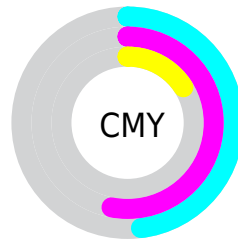


Cyan (38%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (48%)

Magenta (53%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3698, 23.1935, 66.5999 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 28.3698, 23.1935, 66.5999 by changing the saturation by 10% instead.

■ 28.3698, 23.1935,
66.5999

■ 28.3698, 23.1935,
66.5999

286.2779,
268.7173, 466.9819

■ 18.7465, 14.7365,
48.3000

■ 56.4788, 48.7109,
115.9821

■ 11.5902, 8.6346,
33.7028

■ 75.6953, 66.5400,
147.9015

■ 6.5355, 4.5036,
22.3899

■ 98.8401, 88.2619,
185.1978

■ 3.2170, 1.9591,
13.9426

126.2787,
114.2610, 228.2896

■ 1.2696, 0.5835,
7.9425

158.3764,
144.9217, 277.5953

■ 0.1603, 0.0000,
3.9709

195.4986,

■ 0.0000, 0.0000,

180.6284, 333.5336

1.6094

238.0107,
221.7654, 396.5230

■ 0.0000, 0.0000,
0.2975

■ 0.0000, 0.0000,
0.0000

■ 28.3698, 23.1935,
66.5999

■ 28.3698, 23.1935,
66.5999

■ 23.4153, 17.2366,
65.7117

■ 34.4236, 30.5715,
67.7054

■ 19.4906, 12.6063,
65.0248

■ 41.6348, 39.4518,
69.0394

■ 16.5228, 9.2008,
64.5239

■ 50.0610, 49.9124,
70.6144

■ 14.4277, 6.9019,
64.1906

■ 59.7547, 62.0250,
72.4414

■ 13.1057, 5.5678,
64.0027

■ 70.7656, 75.8572,
74.5310

■ 12.5983, 5.0925,
63.9378

■ 83.1407, 91.4725,
76.8928

■ 89.1377, 97.6351,
77.7662

Harmonies

Analogous

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



22.0214, 23.1935, 75.4271



28.3698, 23.1935, 66.5999



33.7278, 23.1935, 45.9501

Triad

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



28.3698, 23.1935, 66.5999



28.4176, 23.1935, 5.9977



12.3312, 23.1935, 25.1871

Complementary

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



28.3698, 23.1935, 66.5999



51.7939, 62.0060, 27.0085

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.



13.4292, 23.1935, 11.9462



28.3698, 23.1935, 66.5999



22.0680, 23.1935, 4.4320

Square

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



28.3698, 23.1935, 66.5999



33.7587, 23.1935, 12.0165



16.7374, 23.1935, 5.9722



13.4125, 23.1935, 45.7782

Rectangle

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



28.3698, 23.1935, 66.5999



35.6080, 23.1935, 31.5740



16.7374, 23.1935, 5.9722



12.4545, 23.1935, 19.8388

Sweetspot

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



28.3707, 23.1943, 66.6005



75.5214, 75.5650, 105.2128



41.2477, 51.5763, 71.4000



15.5253, 15.3777, 22.3999



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.



28.3707, 23.1943, 66.6005



35.0823, 25.9442, 97.7664



37.2071, 27.7497, 67.0140



11.8885, 12.0839, 15.6434



7.6632, 3.1030, 38.6482



0.5118, 0.2127, 2.3334

Inverse Universe

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



45.1090, 31.9939, 59.6744



63.3335, 40.8149, 85.2320



41.1541, 56.5210, 26.5105



12.8816, 12.6041, 15.3168



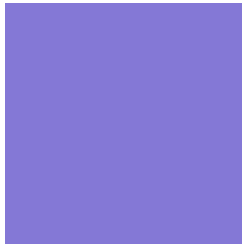
22.1896, 10.8122, 29.3663



1.3579, 0.6599, 1.8739

Previews

White Background



This preview shows how the XYZ color 28.3698, 23.1935, 66.5999 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 28.3698, 23.1935, 66.5999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

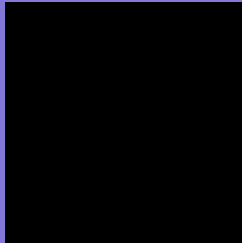
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3698, 23.1935, 66.5999

Background



This preview shows how black text looks on a background with the XYZ color 28.3698, 23.1935, 66.5999.



This preview shows how white text looks on a background with the XYZ color 28.3698, 23.1935,

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

28.3698, 23.1935, 66.5999

Protanopia

25.5493, 23.3016, 72.2583

Deuteranopia

23.9396, 23.2319, 64.8505



Tritanopia

21.0547, 23.1163, 30.5463

Trichromacy



Original Color

28.3698, 23.1935, 66.5999

Protanomaly

26.3104, 23.1620, 70.1018

Deuteranomaly

25.1964, 23.0754, 65.4134

Tritanomaly

23.3594, 23.0431, 41.7447

Monochromacy



Original Color

28.3698, 23.1935, 66.5999

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.1340, 23.3314, 37.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3698, 23.1935, 66.5999 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(132, 120, 214)` looks like.

```
.text, #text, p{  
    color:rgb(132, 120, 214)  
}
```

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(132, 120, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 120, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.3698, 23.1935, 66.5999 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(132, 120, 214) }
```


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

```
.border{ border-color:rgb(132, 120, 214) }
```

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

Here you see how a box with a 4 pixel rgb(132, 120, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 120, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 120, 214);  
box-shadow:4px 4px 4px 4px rgb(132, 120,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3698, 23.1935, 66.5999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 120, 214) }
```

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

```
.background{ background-color: rgb(132,  
120, 214) }
```

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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