

Converting Colors

XYZ(23.1829, 16.7112, 66.8031)

Have a look what the booklet for
XYZ(23.1829, 16.7112, 66.8031)
contains.

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Color

**XYZ(23.2596, 16.7684,
66.9764)**

Conversions

Conversions Part 1

Format	Color
Hex	7060D8
RGB	112, 96, 216
RGB Percent	44%, 38%, 85%
CMY	0.5608, 0.6235, 0.1529
CMYK	0.48, 0.56, 0.00, 0.15
HSL	248°, 61%, 61%
HSV	248°, 56%, 85%
XYZ	23.2596, 16.7684, 66.9764
YIQ	114.4640, -28.9840, 40.7120

Conversions

Conversions Part 2

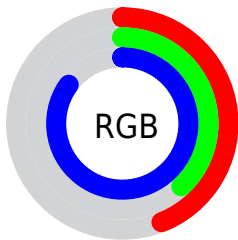
Format	Color
R_{YB}	112, 96, 216
Decimal	7364824
CIE _{Lab}	47.97, 37.03, -59.80
CIE _{LCh}	48, 70.338, 301.763
Yxy	16.7684, 0.2174, 0.1567
Android (android.graphics.Color)	4285554904 (0xFF7060D8)
YUV	114.4640, 50.0572, -2.1609
Hunter-Lab	40.9492, 29.7287, -68.3100

Details

The XYZ color **23.2596, 16.7684, 66.9764** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.4862, 62.2356, 20.4185**, and the grayscale version is **15.9947, 16.8276, 18.3253**.

A 20% lighter version of the original color is **45.0613, 36.6335, 99.3037**, and **8.8087, 5.4385, 33.8432** is the 20% darker color. If you saturate the color by 10%, you get **19.4135, 12.2513, 66.3076**, and if you desaturate by 10%, it is **28.1437, 22.6244, 67.8497**.

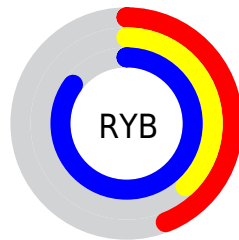
Distribution



Red (44%)

Green (38%)

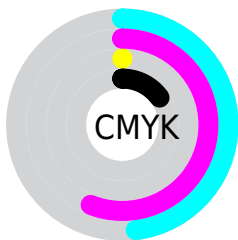
Blue (85%)



Red (44%)

Yellow (38%)

Blue (85%)

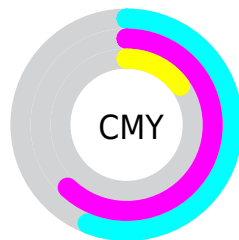


Cyan (48%)

Magenta (56%)

Yellow (0%)

Black (15%)



Cyan (56%)

Magenta (62%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2596, 16.7684, 66.9764 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 23.2596, 16.7684, 66.9764 by changing the saturation by 10% instead.

■ 23.2596, 16.7684,
66.9764

■ 23.2596, 16.7684,
66.9764

261.5661,
233.8342, 468.3600

■ 14.9071, 10.0695,
48.6040

■ 48.2828, 37.9271,
116.5269

■ 8.8401, 5.4451,
33.9420

■ 65.6841, 53.1558,
148.5421

■ 4.6933, 2.5107,
22.5721

■ 86.8324, 71.9965,
185.9419

■ 2.1013, 0.8820,
14.0755

■ 112.0931, 94.8336,
229.1450

■ 0.6899, 0.0000,
8.0339

141.8314,
122.0515, 278.5698

■ 0.0000, 0.0000,
4.0285

176.4128,

■ 0.0000, 0.0000,

154.0346, 334.6348

1.6410

216.2025,
191.1674, 397.7587

■ 0.0000, 0.0000,
0.3198

■ 0.0000, 0.0000,
0.0000

■ 23.2596, 16.7684,
66.9764

■ 23.2596, 16.7684,
66.9764

■ 19.4135, 12.2513,
66.3076

■ 28.1437, 22.6244,
67.8497

■ 16.5266, 8.9644,
65.8253

■ 34.1320, 29.9129,
68.9409

■ 14.5123, 6.7847,
65.5108

■ 41.2881, 38.7211,
70.2639

■ 13.2664, 5.5620,
65.3404

■ 49.6698, 49.1285,
71.8309

■ 12.8959, 5.2163,
65.2932

■ 59.3312, 61.2094,
73.6536

■ 70.3231, 75.0330,
75.7424

■ 82.6935, 90.6649,
78.1077

■ 89.3947, 97.7379,
79.1198

Harmonies

Analogous

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



16.3160, 16.7684, 80.1627



23.2596, 16.7684, 66.9764



29.2801, 16.7684, 40.2745

Triad

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



23.2596, 16.7684, 66.9764



22.4335, 16.7684, 1.5355



6.5905, 16.7684, 19.3537

Complementary

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



23.2596, 16.7684, 66.9764



50.4862, 62.2356, 20.4185

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.



7.4260, 16.7684, 6.2157



23.2596, 16.7684, 66.9764



15.5656, 16.7684, 0.8667

Square

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



23.2596, 16.7684, 66.9764



28.7209, 16.7684, 5.3518



10.3406, 16.7684, 1.7511



7.6538, 16.7684, 43.5114

Rectangle

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



23.2596, 16.7684, 66.9764



31.3141, 16.7684, 23.7342



10.3406, 16.7684, 1.7511



6.6574, 16.7684, 13.6963

Sweetspot

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



23.2604, 16.7689, 66.9768



70.2497, 68.9500, 104.2139



37.8732, 48.7536, 72.3803



14.4877, 14.0757, 22.2032



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.



23.2604, 16.7689, 66.9768



27.2875, 16.7057, 96.3941



33.5912, 22.0947, 67.4603



11.8951, 12.0873, 15.6437



7.6848, 3.1142, 38.6492



0.5149, 0.2143, 2.3335

Inverse Universe

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



42.9271, 27.1350, 57.6173



59.0182, 33.4624, 79.8532



37.4828, 55.5321, 19.8099



12.8785, 12.6029, 15.3002



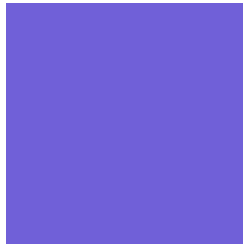
22.1124, 10.7813, 28.9599



1.3539, 0.6584, 1.8532

Previews

White Background



This preview shows how the XYZ color 23.2596, 16.7684, 66.9764 looks on a white 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

Black Background



This preview shows how the XYZ color 23.2596, 16.7684, 66.9764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

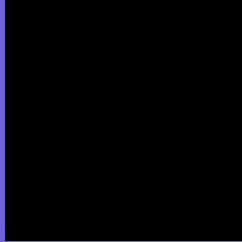
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2596, 16.7684, 66.9764

Background



This preview shows how black text looks on a background with the XYZ color 23.2596, 16.7684, 66.9764.



This preview shows how white text looks on a background with the XYZ color 23.2596, 16.7684,

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

23.2596, 16.7684, 66.9764

Protanopia

20.2458, 16.8890, 77.7941

Deuteranopia

17.1445, 16.8504, 59.4756



Tritanopia

14.4236, 16.7784, 22.9004

Trichromacy



Original Color

23.2596, 16.7684, 66.9764

Protanomaly

20.2533, 16.2038, 74.0117

Deuteranomaly

17.7683, 15.9628, 61.8191

Tritanomaly

16.8535, 16.3937, 35.5337

Monochromacy



Original Color

23.2596, 16.7684, 66.9764

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.6537, 16.2605, 31.4863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2596, 16.7684, 66.9764 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(112, 96, 216)` looks like.

```
.text, #text, p{  
    color:rgb(112, 96, 216)  
}
```

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(112, 96, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 96, 216) }
```

Border

The CSS property to change the border of an element to XYZ 23.2596, 16.7684, 66.9764 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(112, 96, 216) }
```


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

```
.border{ border-color:rgb(112, 96, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 96, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 96, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 96, 216);  
box-shadow:4px 4px 4px 4px rgb(112, 96,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2596, 16.7684, 66.9764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 96, 216) }
```

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

```
.background{ background-color: rgb(112, 96,  
216) }
```

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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