

Converting Colors

XYZ(23.6026, 16.8503, 72.0894)

Have a look what the booklet for
XYZ(23.6026, 16.8503, 72.0894)
contains.

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Color

**XYZ(23.5656, 16.8193,
71.8164)**

Conversions

Conversions Part 1

Format	Color
Hex	6B60DF
RGB	107, 96, 223
RGB Percent	42%, 38%, 87%
CMY	0.5804, 0.6235, 0.1255
CMYK	0.52, 0.57, 0.00, 0.13
HSL	245°, 66%, 63%
HSV	245°, 57%, 87%
XYZ	23.5656, 16.8193, 71.8164
YIQ	113.7670, -34.2110, 41.8290

Conversions

Conversions Part 2

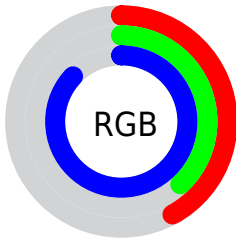
Format	Color
R_{YB}	107, 96, 223
Decimal	7037151
CIE _{Lab}	48.03, 38.11, -63.70
CIE _{LCh}	48, 74.227, 300.895
Yxy	16.8193, 0.2100, 0.1499
Android (android.graphics.Color)	4285227231 (0xFF6B60DF)
YUV	113.7670, 53.8519, -5.9347
Hunter-Lab	41.0113, 30.7984, -75.1169

Details

The XYZ color **23.5656, 16.8193, 71.8164** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **55.6493, 67.6166, 21.1848**, and the grayscale version is **15.7767, 16.5983, 18.0756**.

A 20% lighter version of the original color is **44.2096, 36.1944, 99.2639**, and **9.0282, 5.4789, 37.1409** is the 20% darker color. If you saturate the color by 10%, you get **19.6450, 12.1943, 71.1307**, and if you desaturate by 10%, it is **28.6414, 22.8964, 72.7223**.

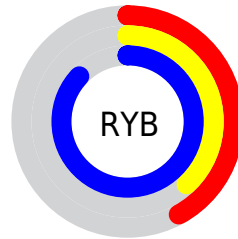
Distribution



Red (42%)

Green (38%)

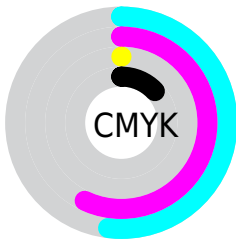
Blue (87%)



Red (42%)

Yellow (38%)

Blue (87%)

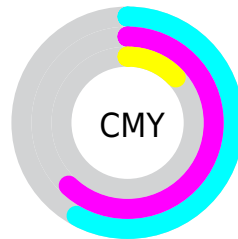


Cyan (52%)

Magenta (57%)

Yellow (0%)

Black (13%)



Cyan (58%)

Magenta (62%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5656, 16.8193, 71.8164 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 23.5656, 16.8193, 71.8164 by changing the saturation by 10% instead.

■ 23.5656, 16.8193,
71.8164

■ 23.5656, 16.8193,
71.8164

263.0983,
234.1289, 485.8627

■ 15.1347, 10.1057,
52.5228

■ 48.7802, 38.0148,
123.5008

■ 9.0009, 5.4691,
37.0368

■ 66.2947, 53.2656,
156.7286

■ 4.7989, 2.5251,
24.9400

■ 87.5677, 72.1309,
195.4382

■ 2.1633, 0.8891,
15.8137

■ 112.9646, 94.9951,
240.0482

■ 0.7233, 0.0000,
9.2395

142.8507,
122.2426, 290.9771

■ 0.0000, 0.0000,
4.7988

177.5915,

■ 0.0000, 0.0000,

154.2578, 348.6435

2.0730

217.5522,
191.4251, 413.4658

■ 0.0000, 0.0000,
0.5996

■ 0.0000, 0.0000,
0.0000

■ 23.5656, 16.8193,
71.8164

■ 23.5656, 16.8193,
71.8164

■ 19.6450, 12.1943,
71.1307

■ 28.6414, 22.8964,
72.7223

■ 16.7858, 8.8982,
70.6452

■ 34.9515, 30.5318,
73.8635

■ 14.8835, 6.7900,
70.3385

■ 42.5706, 39.8238,
75.2554

■ 13.8074, 5.6889,
70.1827

■ 51.5671, 50.8619,
76.9118

■ 13.5943, 5.4695,
70.1516

■ 62.0042, 63.7292,
78.8454

■ 73.9417, 78.5037,
81.0680

■ 87.4354, 95.2586,
83.5908

■ 90.3193, 98.1077,
83.9887

Harmonies

Analogous

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



16.1886, 16.8193, 85.6421



23.5656, 16.8193, 71.8164



30.1112, 16.8193, 42.7977

Triad

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



23.5656, 16.8193, 71.8164



23.1165, 16.8193, 1.2858



6.2469, 16.8193, 18.8964

Complementary

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



23.5656, 16.8193, 71.8164



55.6493, 67.6166, 21.1848

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.



7.1575, 16.8193, 5.5813



23.5656, 16.8193, 71.8164



15.7856, 16.8193, 0.6009

Square

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



23.5656, 16.8193, 71.8164



29.8050, 16.8193, 5.1408



10.2360, 16.8193, 1.3866



7.2761, 16.8193, 44.5818

Rectangle

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



23.5656, 16.8193, 71.8164



32.4031, 16.8193, 24.8028



10.2360, 16.8193, 1.3866



6.3333, 16.8193, 13.0678

Sweetspot

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



23.5664, 16.8198, 71.8168



69.6499, 68.6408, 104.1858



41.7912, 55.1104, 78.2471



14.3481, 14.0037, 22.1967



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.



23.5664, 16.8198, 71.8168



25.9272, 15.7153, 96.2746



34.0980, 22.2491, 72.3097



13.0616, 13.2998, 17.2664



8.0326, 3.2362, 41.2497



0.5954, 0.2442, 2.8610

Inverse Universe

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



46.4977, 28.8072, 65.3942



59.9516, 33.5242, 85.7293



40.8785, 60.0020, 20.4936



14.2411, 13.9141, 17.0399



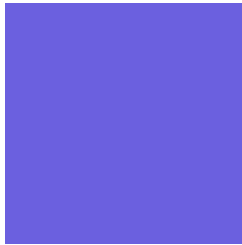
24.3001, 11.7870, 34.5757



1.6996, 0.8231, 2.4771

Previews

White Background



This preview shows how the XYZ color 23.5656, 16.8193, 71.8164 looks on a white background.

Color Contrast Check

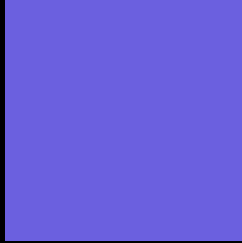
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5656, 16.8193, 71.8164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

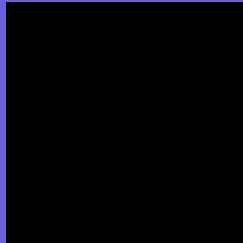
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5656, 16.8193, 71.8164

Background



This preview shows how black text looks on a background with the XYZ color 23.5656, 16.8193, 71.8164.



This preview shows how white text looks on a background with the XYZ color 23.5656, 16.8193,

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

23.5656, 16.8193, 71.8164

Protanopia

20.1766, 16.8205, 79.2740

Deuteranopia

17.0249, 16.8026, 58.8458



Tritanopia

13.9272, 16.8642, 23.6402

Trichromacy



Original Color

23.5656, 16.8193, 71.8164



Protanomaly

19.9299, 15.9891, 76.1645



Deuteranomaly

17.9382, 16.0218, 63.1198



Tritanomaly

16.5195, 16.3434, 37.4059

Monochromacy



Original Color

23.5656, 16.8193, 71.8164



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

17.6460, 16.2280, 32.7741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5656, 16.8193, 71.8164 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(107, 96, 223)` looks like.

```
.text, #text, p{  
    color:rgb(107, 96, 223)  
}
```

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(107, 96, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 96, 223) }
```

Border

The CSS property to change the border of an element to XYZ 23.5656, 16.8193, 71.8164 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(107, 96, 223) }
```


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

```
.border{ border-color:rgb(107, 96, 223) }
```

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

Here you see how a box with a 4 pixel rgb(107, 96, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 96, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 96, 223);  
box-shadow:4px 4px 4px 4px rgb(107, 96,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5656, 16.8193, 71.8164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 96, 223) }
```

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

```
.background{ background-color: rgb(107, 96,  
223) }
```

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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