

Converting Colors

XYZ(23.1733, 16.2843, 62.8953)

Have a look what the booklet for
XYZ(23.1733, 16.2843, 62.8953)
contains.

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Color

**XYZ(23.2057, 16.3005,
62.8960)**

Conversions

Conversions Part 1

Format	Color
Hex	785CD2
RGB	120, 92, 210
RGB Percent	47%, 36%, 82%
CMY	0.5294, 0.6392, 0.1765
CMYK	0.43, 0.56, 0.00, 0.18
HSL	254°, 57%, 59%
HSV	254°, 56%, 82%
XYZ	23.2057, 16.3005, 62.8960
YIQ	113.8240, -21.1900, 42.6340

Conversions

Conversions Part 2

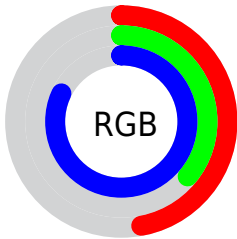
Format	Color
R_{YB}	120, 92, 210
Decimal	7888082
CIE _{Lab}	47.37, 39.37, -57.31
CIE _{LCh}	47, 69.534, 304.489
Yxy	16.3005, 0.2266, 0.1592
Android (android.graphics.Color)	4286078162 (0xFF785CD2)
YUV	113.8240, 47.4148, 5.4164
Hunter-Lab	40.3739, 31.9422, -64.1026

Details

The XYZ color **23.2057, 16.3005, 62.8960** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **44.2695, 56.8110, 18.7579**, and the grayscale version is **15.8093, 16.6327, 18.1130**.

A 20% lighter version of the original color is **46.0039, 36.2120, 99.1727**, and **8.8037, 5.1921, 31.5485** is the 20% darker color. If you saturate the color by 10%, you get **19.5937, 12.1021, 62.2763**, and if you desaturate by 10%, it is **27.6948, 21.6997, 63.7019**.

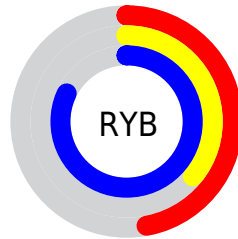
Distribution



Red (47%)

Green (36%)

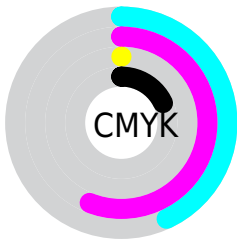
Blue (82%)



Red (47%)

Yellow (36%)

Blue (82%)

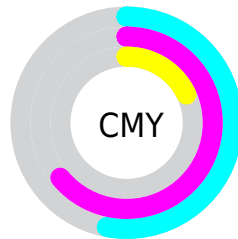


Cyan (43%)

Magenta (56%)

Yellow (0%)

Black (18%)



Cyan (53%)

Magenta (64%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2057, 16.3005, 62.8960 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 23.2057, 16.3005, 62.8960 by changing the saturation by 10% instead.

■ 23.2057, 16.3005,
62.8960

■ 23.2057, 16.3005,
62.8960

261.2954,
231.1084, 453.2895

■ 14.8670, 9.7370,
45.3166

■ 48.1950, 37.1191,
110.6036

■ 8.8118, 5.2250,
31.3621

■ 65.5764, 52.1430,
141.5689

■ 4.6748, 2.3799,
20.6140

■ 86.7027, 70.7559,
177.8332

■ 2.0905, 0.8155,
12.6536

■ 111.9392, 93.3422,
219.8151

■ 0.6840, 0.0000,
7.0626

141.6514,
120.2861, 267.9332

■ 0.0000, 0.0000,
3.4222

176.2046,

■ 0.0000, 0.0000,

151.9722, 322.6059

1.3141

215.9642,
188.7849, 384.2518

■ 0.0000, 0.0000,
0.0733

■ 0.0000, 0.0000,
0.0000

■ 23.2057, 16.3005,
62.8960

■ 23.2057, 16.3005,
62.8960

■ 19.5937, 12.1021,
62.2763

■ 27.6948, 21.6997,
63.7019

■ 16.7953, 9.0078,
61.8266

■ 33.1140, 28.3827,
64.7062

■ 14.7414, 6.9079,
61.5295

■ 39.5143, 36.4271,
65.9216

■ 13.3472, 5.6658,
61.3632

■ 46.9425, 45.9035,
67.3592

■ 12.9402, 5.3271,
61.3193

■ 55.4421, 56.8777,
69.0295

■ 65.0541, 69.4115,
70.9421

■ 75.8175, 83.5630,
73.1064

■ 86.1526, 96.1545,
74.9921

■ 88.6329, 97.4332,
75.1081

Harmonies

Analogous

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



16.4378, 16.3005, 77.5033



23.2057, 16.3005, 62.8960



28.8139, 16.3005, 36.7103

Triad

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



23.2057, 16.3005, 62.8960



21.1687, 16.3005, 1.3682



6.4373, 16.3005, 20.5349

Complementary

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



23.2057, 16.3005, 62.8960



44.2695, 56.8110, 18.7579

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.



7.0797, 16.3005, 6.7883



23.2057, 16.3005, 62.8960



14.5854, 16.3005, 0.8631

Square

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



23.2057, 16.3005, 62.8960



27.4360, 16.3005, 4.6442



9.7123, 16.3005, 1.9070



7.6434, 16.3005, 44.6838

Rectangle

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



23.2057, 16.3005, 62.8960



30.5081, 16.3005, 21.2063



9.7123, 16.3005, 1.9070



6.4475, 16.3005, 14.6886

Sweetspot

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



23.2064, 16.3010, 62.8964



71.6111, 69.6519, 104.2776



32.8705, 40.5762, 67.0726



14.8054, 14.2395, 22.2181



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.



23.2064, 16.3010, 62.8964



29.6449, 17.9210, 96.5044



33.9431, 21.8360, 63.3989



11.4226, 11.5512, 14.8712



7.9686, 3.2882, 37.4072



0.5180, 0.2212, 2.0950

Inverse Universe

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



38.8491, 24.7336, 46.9815



56.6179, 32.5023, 67.2134



33.2140, 51.1117, 18.2405



12.1858, 11.9591, 14.2544



20.1325, 9.9258, 21.4016



1.1554, 0.5669, 1.3530

Previews

White Background



This preview shows how the XYZ color 23.2057, 16.3005, 62.8960 looks on a white background.

Color Contrast Check

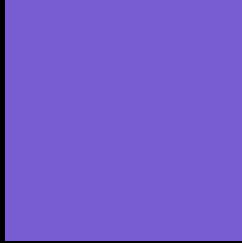
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2057, 16.3005, 62.8960 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 23.2057, 16.3005, 62.8960

Background



This preview shows how black text looks on a background with the XYZ color 23.2057, 16.3005, 62.8960.



This preview shows how white text looks on a background with the XYZ color 23.2057, 16.3005,

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

23.2057, 16.3005, 62.8960

Protanopia

19.6044, 16.4654, 74.8179

Deuteranopia

16.6780, 16.2989, 58.1441



Tritanopia

14.9144, 16.3694, 21.4423

Trichromacy



Original Color

23.2057, 16.3005, 62.8960



Protanomaly

19.6061, 15.6530, 70.3946



Deuteranomaly

17.2122, 15.2513, 59.7942



Tritanomaly

17.2375, 16.0077, 33.1916

Monochromacy



Original Color

23.2057, 16.3005, 62.8960



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

17.7813, 16.1910, 30.6218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2057, 16.3005, 62.8960 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(120, 92, 210)` looks like.

```
.text, #text, p{  
    color:rgb(120, 92, 210)  
}
```

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(120, 92, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 92, 210) }
```

Border

The CSS property to change the border of an element to XYZ 23.2057, 16.3005, 62.8960 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(120, 92, 210) }
```


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

```
.border{ border-color:rgb(120, 92, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 92, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 92, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 92, 210);  
box-shadow:4px 4px 4px 4px rgb(120, 92,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2057, 16.3005, 62.8960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 92, 210) }
```

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

```
.background{ background-color: rgb(120, 92,  
210) }
```

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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