

Converting Colors

XYZ(23.4680, 18.5070, 65.9562)

Have a look what the booklet for
XYZ(23.4680, 18.5070, 65.9562)
contains.

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Color

**XYZ(23.4587, 18.4962,
65.9520)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6BD6
RGB	107, 107, 214
RGB Percent	42%, 42%, 84%
CMY	0.5804, 0.5804, 0.1608
CMYK	0.50, 0.50, 0.00, 0.16
HSL	240°, 57%, 63%
HSV	240°, 50%, 84%
XYZ	23.4587, 18.4962, 65.9520
YIQ	119.1980, -34.3470, 33.2770

Conversions

Conversions Part 2

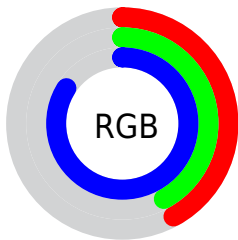
Format	Color
R_{YB}	107, 107, 214
Decimal	7039958
CIE _{Lab}	50.09, 28.75, -55.27
CIE _{LCh}	50, 62.300, 297.486
Yxy	18.4962, 0.2174, 0.1714
Android (android.graphics.Color)	4285230038 (0xFF6B6BD6)
YUV	119.1980, 46.7374, -10.6976
Hunter-Lab	43.0072, 22.1019, -60.8168

Details

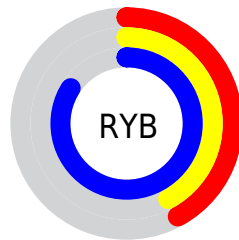
The XYZ color **23.4587, 18.4962, 65.9520** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **54.4311, 63.4506, 23.2886**, and the grayscale version is **17.4624, 18.3718, 20.0069**.

A 20% lighter version of the original color is **45.5867, 39.5662, 99.8421**, and **8.9141, 6.2812, 33.0903** is the 20% darker color. If you saturate the color by 10%, you get **19.2353, 13.4069, 65.1927**, and if you desaturate by 10%, it is **28.8723, 25.0189, 66.9261**.

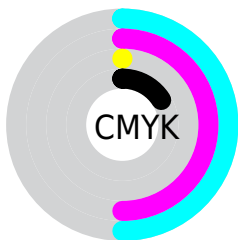
Distribution



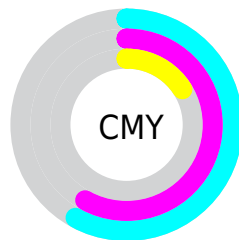
- Red (42%)
- Green (42%)
- Blue (84%)



- Red (42%)
- Yellow (42%)
- Blue (84%)



- Cyan (50%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4587, 18.4962, 65.9520 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 23.4587, 18.4962, 65.9520 by changing the saturation by 10% instead.

■ 23.4587, 18.4962,
65.9520

■ 23.4587, 18.4962,
65.9520

262.5639,
243.6532, 464.6047

■ 15.0551, 11.3068,
47.7772

■ 48.6066, 40.8810,
115.0438

■ 8.9447, 6.2736,
33.2917

■ 66.0816, 56.8453,
146.7978

■ 4.7619, 3.0122,
22.0771

■ 87.3111, 76.5033,
183.9154

■ 2.1416, 1.1381,
13.7147

■ 112.6605,
100.2394, 226.8150

■ 0.7117, 0.0102,
7.7860

142.4951,
128.4381, 275.9152

■ 0.0000, 0.0000,
3.8725

177.1803,

■ 0.0000, 0.0000,

161.4837, 331.6345

1.5557

217.0814,
199.7606, 394.3915

■ 0.0000, 0.0000,
0.2589

■ 0.0000, 0.0000,
0.0000

■ 23.4587, 18.4962,
65.9520

■ 23.4587, 18.4962,
65.9520

■ 19.2353, 13.4069,
65.1927

■ 28.8723, 25.0189,
66.9261

■ 16.1102, 9.6415,
64.6306

■ 35.5539, 33.0698,
68.1279

■ 13.9825, 7.0778,
64.2479

■ 43.5774, 42.7377,
69.5711

■ 12.7312, 5.5702,
64.0228

■ 53.0106, 54.1042,
71.2679

■ 12.1378, 4.8551,
63.9161

■ 63.9165, 67.2452,
73.2295

■ 12.1378, 4.8551,
63.9161

■ 76.3544, 82.2323,
75.4668

■ 89.1377, 97.6351,
77.7661

Harmonies

Analogous

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



17.0791, 18.4962, 74.4450



23.4587, 18.4962, 65.9520



29.2099, 18.4962, 43.6221

Triad

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



23.4587, 18.4962, 65.9520



24.5367, 18.4962, 3.1531



8.3916, 18.4962, 18.7251

Complementary

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



23.4587, 18.4962, 65.9520



54.4311, 63.4506, 23.2886

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.



9.5375, 18.4962, 7.0911



23.4587, 18.4962, 65.9520



18.0908, 18.4962, 1.8821

Square

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



23.4587, 18.4962, 65.9520



29.9252, 18.4962, 8.4172



12.7761, 18.4962, 2.7507



9.2050, 18.4962, 39.5551

Rectangle

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



23.4587, 18.4962, 65.9520



31.4147, 18.4962, 28.1774



12.7761, 18.4962, 2.7507



8.5532, 18.4962, 13.7966

Sweetspot

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



23.4595, 18.4968, 65.9525



71.3399, 71.4306, 104.6352



42.2479, 56.0743, 72.2154



14.6424, 14.5332, 22.2834



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.



23.4595, 18.4968, 65.9525



28.2815, 19.5479, 96.8903



31.9930, 22.8960, 66.3518



11.7427, 12.0088, 15.6365



7.3365, 2.9346, 38.6329



0.4425, 0.1770, 2.3302

Inverse Universe

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



45.1267, 29.6667, 66.9638



64.0404, 37.9824, 98.5588



41.2981, 56.6803, 22.6740



12.9531, 12.6327, 15.6931



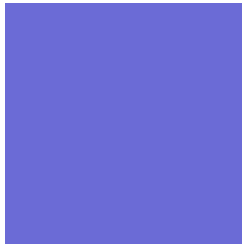
24.0977, 11.5754, 39.4141



1.4535, 0.6982, 2.3773

Previews

White Background



This preview shows how the XYZ color 23.4587, 18.4962, 65.9520 looks on a white background.

Color Contrast Check

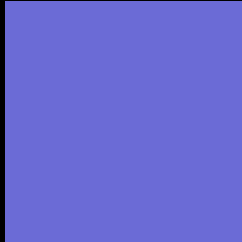
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4587, 18.4962, 65.9520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

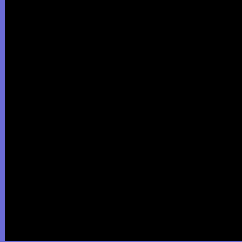
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4587, 18.4962, 65.9520

Background



This preview shows how black text looks on a background with the XYZ color 23.4587, 18.4962, 65.9520.



This preview shows how white text looks on a background with the XYZ color 23.4587, 18.4962,

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

23.4587, 18.4962, 65.9520

Protanopia

21.3022, 18.5595, 71.5668

Deuteranopia

19.2884, 18.7352, 64.2277



Tritanopia

15.4721, 18.5383, 26.0553

Trichromacy



Original Color

23.4587, 18.4962, 65.9520

Protanomaly

21.7222, 18.3225, 69.4095

Deuteranomaly

20.0535, 18.2363, 64.7504

Tritanomaly

17.7113, 18.1493, 37.6916

Monochromacy



Original Color

23.4587, 18.4962, 65.9520

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.0337, 18.2394, 33.0892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4587, 18.4962, 65.9520 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, 107, 214)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 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(107, 107, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.4587, 18.4962, 65.9520 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, 107, 214) }
```


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

```
.border{ border-color:rgb(107, 107, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 214);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4587, 18.4962, 65.9520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 214) }
```

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

```
.background{ background-color: rgb(107,  
107, 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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