

Converting Colors

XYZ(22.8634, 18.0648, 64.5692)

Have a look what the booklet for
XYZ(22.8634, 18.0648, 64.5692)
contains.

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Color

**XYZ(22.8634, 18.0648,
64.5692)**

Conversions

Conversions Part 1

Format	Color
Hex	696AD4
RGB	105, 106, 212
RGB Percent	41%, 42%, 83%
CMY	0.5882, 0.5843, 0.1686
CMYK	0.50, 0.50, 0.00, 0.17
HSL	239°, 55%, 62%
HSV	239°, 50%, 83%
XYZ	22.8634, 18.0648, 64.5692
YIQ	117.7850, -34.6220, 32.7540

Conversions

Conversions Part 2

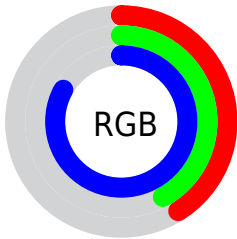
Format	Color
R_{YB}	105, 106, 212
Decimal	6908628
CIE _{Lab}	49.57, 28.31, -54.97
CIE _{LCh}	50, 61.832, 297.249
Yxy	18.0648, 0.2167, 0.1712
Android (android.graphics.Color)	4285098708 (0xFF696AD4)
YUV	117.7850, 46.4480, -11.2124
Hunter-Lab	42.5027, 21.6404, -60.3202

Details

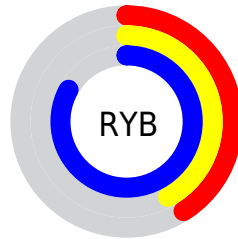
The XYZ color **22.8634, 18.0648, 64.5692** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **52.9969, 61.6078, 22.4642**, and the grayscale version is **17.0207, 17.9071, 19.5009**.

A 20% lighter version of the original color is **45.0073, 39.0153, 99.7663**, and **8.6885, 6.0977, 32.6173** is the 20% darker color. If you saturate the color by 10%, you get **18.7708, 13.1261, 63.8320**, and if you desaturate by 10%, it is **28.1081, 24.3845, 65.5130**.

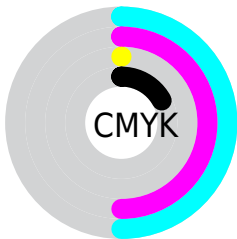
Distribution



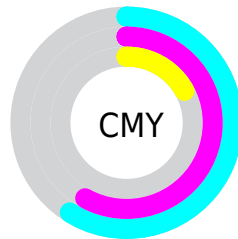
- Red (41%)
- Green (42%)
- Blue (83%)



- Red (41%)
- Yellow (42%)
- Blue (83%)



- Cyan (50%)
- Magenta (50%)
- Yellow (0%)
- Black (17%)



- Cyan (59%)
- Magenta (58%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8634, 18.0648, 64.5692 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 22.8634, 18.0648, 64.5692 by changing the saturation by 10% instead.

■ 22.8634, 18.0648,
64.5692

■ 22.8634, 18.0648,
64.5692

259.5711,
241.2360, 459.5060

■ 14.6128, 10.9965,
46.6627

■ 47.6372, 40.1477,
113.0376

■ 8.6326, 6.0645,
32.4167

■ 64.8912, 55.9311,
144.4366

■ 4.5575, 2.8843,
21.4125

■ 85.8770, 75.3884,
181.1702

■ 2.0221, 1.0717,
13.2317

■ 110.9600, 98.9039,
223.6570

■ 0.6463, 0.0000,
7.4557

140.5056,
126.8620, 272.3154

■ 0.0000, 0.0000,
3.6659

174.8790,

■ 0.0000, 0.0000,

159.6471, 327.5640

1.4439

214.4457,
197.6437, 389.8213

■ 0.0000, 0.0000,
0.1756

■ 0.0000, 0.0000,
0.0000

■ 22.8634, 18.0648,
64.5692

■ 22.8634, 18.0648,
64.5692

■ 18.7708, 13.1261,
63.8320

■ 28.1081, 24.3845,
65.5130

■ 15.7417, 9.4636,
63.2848

■ 34.5801, 32.1759,
66.6758

■ 13.6781, 6.9606,
62.9104

■ 42.3510, 41.5243,
68.0706

■ 12.4631, 5.4778,
62.6882

■ 51.4863, 52.5076,
69.7091

■ 11.9052, 4.7964,
62.5861

■ 62.0471, 65.1989,
71.6022

■ 74.0906, 79.6665,
73.7600

■ 87.6710, 95.9753,
76.1921

■ 88.8837, 97.5335,
76.4289

Harmonies

Analogous

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



16.6350, 18.0648, 72.7183



22.8634, 18.0648, 64.5692



28.4975, 18.0648, 42.8024

Triad

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



22.8634, 18.0648, 64.5692



24.0158, 18.0648, 3.0980



8.1950, 18.0648, 18.1611

Complementary

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



22.8634, 18.0648, 64.5692



52.9969, 61.6078, 22.4642

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.



9.3298, 18.0648, 6.8670



22.8634, 18.0648, 64.5692



17.7165, 18.0648, 1.8374

Square

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



22.8634, 18.0648, 64.5692



29.2623, 18.0648, 8.2847



12.5102, 18.0648, 2.6679



8.9743, 18.0648, 38.4542

Rectangle

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



22.8634, 18.0648, 64.5692



30.6721, 18.0648, 27.6863



12.5102, 18.0648, 2.6679



8.3579, 18.0648, 13.3721

Sweetspot

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



22.8642, 18.0654, 64.5697



71.4313, 71.6139, 104.6658



41.0299, 54.7548, 69.5211



14.6640, 14.5765, 22.2906



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.



22.8642, 18.0654, 64.5697



27.8887, 19.1857, 96.8411



30.7858, 21.9976, 64.9111



11.7518, 12.0270, 15.6396



7.3537, 2.9691, 38.6387



0.4469, 0.1858, 2.3316

Inverse Universe

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



34.8052, 25.1419, 16.6545



48.0886, 31.2068, 15.7749



40.6481, 55.6104, 21.9574



12.4279, 12.4227, 12.9277



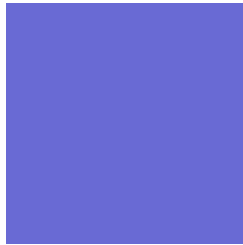
16.7706, 8.6446, 0.8303



1.0132, 0.5221, 0.0590

Previews

White Background



This preview shows how the XYZ color 22.8634, 18.0648, 64.5692 looks on a white background.

Color Contrast Check

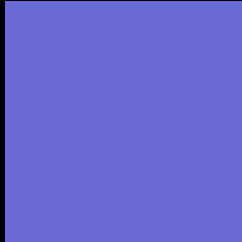
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8634, 18.0648, 64.5692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

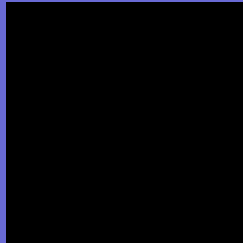
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8634, 18.0648, 64.5692

Background



This preview shows how black text looks on a background with the XYZ color 22.8634, 18.0648, 64.5692.



This preview shows how white text looks on a background with the XYZ color 22.8634, 18.0648,

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

22.8634, 18.0648, 64.5692

Protanopia

20.8600, 18.1940, 70.1225

Deuteranopia

18.7326, 18.1204, 62.8319



Tritanopia

15.1001, 18.1658, 25.6322

Trichromacy



Original Color

22.8634, 18.0648, 64.5692

Protanomaly

21.2694, 17.9564, 67.9906

Deuteranomaly

19.4538, 17.6176, 63.3480

Tritanomaly

17.3057, 17.7749, 37.1691

Monochromacy



Original Color

22.8634, 18.0648, 64.5692

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.4949, 17.8123, 32.1691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8634, 18.0648, 64.5692 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(105, 106, 212)` looks like.

```
.text, #text, p{  
    color:rgb(105, 106, 212)  
}
```

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(105, 106, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 106, 212) }
```

Border

The CSS property to change the border of an element to XYZ 22.8634, 18.0648, 64.5692 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(105, 106, 212) }
```


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

```
.border{ border-color:rgb(105, 106, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 106, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 106, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 106, 212);  
box-shadow:4px 4px 4px 4px rgb(105, 106,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8634, 18.0648, 64.5692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 106, 212) }
```

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

```
.background{ background-color: rgb(105,  
106, 212) }
```

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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