

Converting Colors

XYZ(23.6736, 21.8063, 58.8787)

Have a look what the booklet for
XYZ(23.6736, 21.8063, 58.8787)
contains.

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Color

**XYZ(23.7032, 21.8746,
58.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	687DCA
RGB	104, 125, 202
RGB Percent	41%, 49%, 79%
CMY	0.5921, 0.5098, 0.2078
CMYK	0.49, 0.38, 0.00, 0.21
HSL	227°, 48%, 60%
HSV	227°, 49%, 79%
XYZ	23.7032, 21.8746, 58.8500
YIQ	127.4990, -37.2330, 19.4950

Conversions

Conversions Part 2

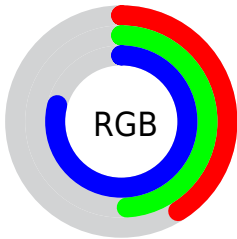
Format	Color
RYB	104, 121, 202
Decimal	6847946
CIELab	53.89, 13.46, -42.41
CIELCh	54, 44.491, 287.604
Yxy	21.8746, 0.2270, 0.2095
Android (android.graphics.Color)	4285038026 (0xFF687DCA)
YUV	127.4990, 36.7290, -20.6086
Hunter-Lab	46.7703, 8.6159, -41.8641

Details

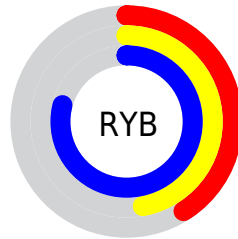
The XYZ color **23.7032, 21.8746, 58.8500** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **43.3806, 46.6051, 19.8071**, and the grayscale version is **20.2318, 21.2855, 23.1799**.

A 20% lighter version of the original color is **48.2693, 46.1379, 100.9692**, and **9.0926, 8.0187, 28.6723** is the 20% darker color. If you saturate the color by 10%, you get **19.7819, 17.1052, 58.1365**, and if you desaturate by 10%, it is **28.5088, 27.5772, 59.6979**.

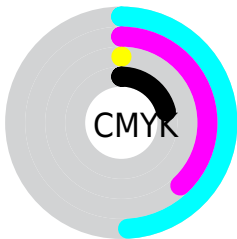
Distribution



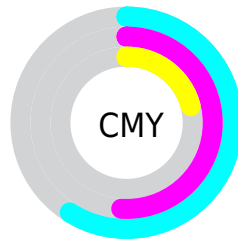
- Red (41%)
- Green (49%)
- Blue (79%)



- Red (41%)
- Yellow (47%)
- Blue (79%)



- Cyan (49%)
- Magenta (38%)
- Yellow (0%)
- Black (21%)



- Cyan (59%)
- Magenta (51%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7032, 21.8746, 58.8500 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 23.7032, 21.8746, 58.8500 by changing the saturation by 10% instead.

■ 23.7032, 21.8746,
58.8500

■ 23.7032, 21.8746,
58.8500

263.7849,
261.8907, 438.0322

■ 15.2371, 13.7648,
42.0732

■ 49.0036, 46.5387,
104.6866

■ 9.0734, 7.9573,
28.8326

■ 66.5687, 63.8617,
134.5834

■ 4.8466, 4.0676,
18.7097

■ 87.8975, 85.0246,
169.6907

■ 2.1914, 1.7115,
11.2860

■ 113.3554,
110.4117, 210.4269

■ 0.7382, 0.4311,
6.1430

143.3078,
140.4075, 257.2107

■ 0.0000, 0.0000,
2.8620

178.1199,

■ 0.0000, 0.0000,

175.3963, 310.4604

1.0246

218.1572,
215.7626, 370.5947

■ 0.0000, 0.0000,
0.0000

■ 23.7032, 21.8746,
58.8500

■ 23.7032, 21.8746,
58.8500

■ 19.7819, 17.1052,
58.1365

■ 28.5088, 27.5772,
59.6979

■ 16.6865, 13.2152,
57.5488

■ 34.2471, 34.2580,
60.6850

■ 14.3551, 10.1487,
57.0798

■ 40.9659, 41.9619,
61.8178

■ 12.7152, 7.8416,
56.7209

■ 48.7091, 50.7301,
63.1021

■ 11.6615, 6.2099,
56.4615

■ 57.5176, 60.6016,
64.5433

■ 11.5350, 6.0127,
56.4301

■ 67.4302, 71.6133,
66.1463

■ 78.4838, 83.8007,
67.9161

■ 86.7037, 95.1301,
69.6697

■ 87.6607, 97.0443,
69.9887

Harmonies

Analogous

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



18.8757, 21.8746, 59.9910



23.7032, 21.8746, 58.8500



28.3626, 21.8746, 46.4004

Triad

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



23.7032, 21.8746, 58.8500



27.6409, 21.8746, 9.1648



13.0298, 21.8746, 18.5914

Complementary

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



23.7032, 21.8746, 58.8500



43.3806, 46.6051, 19.8071

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.



14.7035, 21.8746, 10.0909



23.7032, 21.8746, 58.8500



22.8320, 21.8746, 6.2263

Square

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



23.7032, 21.8746, 58.8500



30.8651, 21.8746, 16.6971



18.1279, 21.8746, 6.4834



13.1891, 21.8746, 32.7200

Rectangle

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



23.7032, 21.8746, 58.8500



30.5235, 21.8746, 35.3493



18.1279, 21.8746, 6.4834



13.3845, 21.8746, 15.1140

Sweetspot

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



23.7040, 21.8754, 58.8505



73.5016, 75.7546, 105.3559



35.1468, 48.5113, 51.1026



15.1551, 15.5588, 22.4543



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.



23.7040, 21.8754, 58.8505



33.3278, 28.7567, 98.4018



25.0912, 19.0528, 58.2326



10.7934, 11.2272, 14.1686



7.4763, 3.9766, 36.3298



0.4429, 0.3195, 1.8933

Inverse Universe

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



33.0098, 23.9388, 22.2836



51.1531, 33.6542, 28.1459



41.1275, 52.2666, 21.0186



11.3091, 11.2524, 12.1622



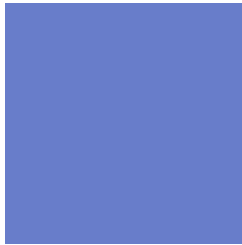
15.9846, 8.2044, 2.3717



0.8535, 0.4348, 0.2743

Previews

White Background



This preview shows how the XYZ color 23.7032, 21.8746, 58.8500 looks on a white background.

Color Contrast Check

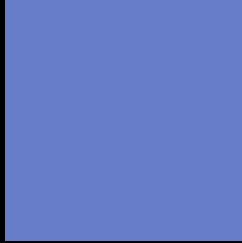
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7032, 21.8746, 58.8500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

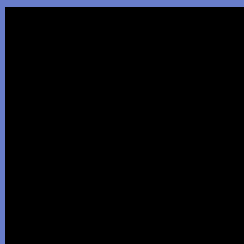
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7032, 21.8746, 58.8500

Background



This preview shows how black text looks on a background with the XYZ color 23.7032, 21.8746, 58.8500.

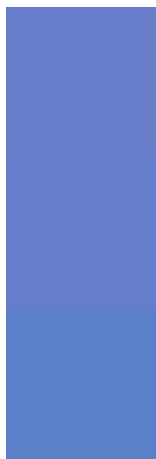


This preview shows how white text looks on a background with the XYZ color 23.7032, 21.8746,

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

23.7032, 21.8746, 58.8500

Protanopia

23.4959, 21.9428, 59.4969

Deuteranopia

22.4782, 21.8290, 58.2870



Tritanopia

18.0011, 21.7411, 30.8515

Trichromacy



Original Color

23.7032, 21.8746, 58.8500

Protanomaly

23.6072, 22.0002, 59.5021

Deuteranomaly

22.8513, 21.8287, 58.2673

Tritanomaly

19.7405, 21.6197, 39.6918

Monochromacy



Original Color

23.7032, 21.8746, 58.8500

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1135, 21.4672, 34.0411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7032, 21.8746, 58.8500 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(104, 125, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 125, 202)  
}
```

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(104, 125, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 125, 202) }
```

Border

The CSS property to change the border of an element to XYZ 23.7032, 21.8746, 58.8500 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(104, 125, 202) }
```


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

```
.border{ border-color:rgb(104, 125, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 125, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 125, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 125, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 125,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7032, 21.8746, 58.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 125, 202) }
```

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

```
.background{ background-color: rgb(104,  
125, 202) }
```

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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