

Converting Colors

XYZ(23.7219, 22.9344, 63.8249)

Have a look what the booklet for
XYZ(23.7219, 22.9344, 63.8249)
contains.

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Color

**XYZ(23.7737, 22.9604,
64.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	5883D2
RGB	88, 131, 210
RGB Percent	35%, 51%, 82%
CMY	0.6549, 0.4863, 0.1765
CMYK	0.58, 0.38, 0.00, 0.18
HSL	219°, 58%, 58%
HSV	219°, 58%, 82%
XYZ	23.7737, 22.9604, 64.1516
YIQ	127.1490, -50.9870, 15.4530

Conversions

Conversions Part 2

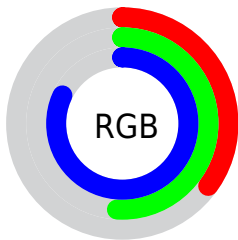
Format	Color
R _Y B	88, 120, 210
Decimal	5800914
CIE Lab	55.03, 8.86, -45.20
CIE LCh	55, 46.059, 281.094
Yxy	22.9604, 0.2144, 0.2071
Android (android.graphics.Color)	4283990994 (0xFF5883D2)
YUV	127.1490, 40.8455, -34.3337
Hunter-Lab	47.9170, 4.7068, -45.8359

Details

The XYZ color **23.7737, 22.9604, 64.1516** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **42.1602, 42.0463, 15.1277**, and the grayscale version is **20.1015, 21.1484, 23.0306**.

A 20% lighter version of the original color is **47.0445, 47.6120, 101.3183**, and **9.0997, 8.4867, 32.1688** is the 20% darker color. If you saturate the color by 10%, you get **20.3564, 18.6632, 63.5028**, and if you desaturate by 10%, it is **28.0049, 28.0337, 64.9083**.

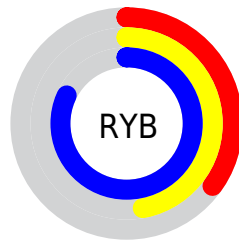
Distribution



Red (35%)

Green (51%)

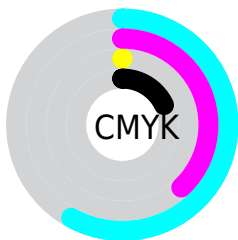
Blue (82%)



Red (35%)

Yellow (47%)

Blue (82%)

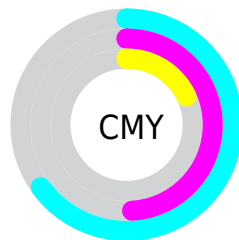


Cyan (58%)

Magenta (38%)

Yellow (0%)

Black (18%)



Cyan (65%)

Magenta (49%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7737, 22.9604, 64.1516 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 23.7737, 22.9604, 64.1516 by changing the saturation by 10% instead.

■ 23.7737, 22.9604,
64.1516

■ 23.7737, 22.9604,
64.1516

264.1361,
267.5215, 457.9594

■ 15.2897, 14.5643,
46.3265

■ 49.1180, 48.3283,
112.4308

■ 9.1106, 8.5142,
32.1530

■ 66.7090, 66.0689,
143.7220

■ 4.8711, 4.4257,
21.2126

■ 88.0664, 87.6930,
180.3390

■ 2.2058, 1.9144,
13.0868

■ 113.5555,
113.5851, 222.7002

■ 0.7458, 0.5570,
7.3569

143.5416,
144.1297, 271.2244

■ 0.0000, 0.0000,
3.6045

178.3902,

■ 0.0000, 0.0000,

179.7110, 326.3299

1.4110

218.4666,
220.7135, 388.4354

■ 0.0000, 0.0000,
0.1502

■ 0.0000, 0.0000,
0.0000

■ 23.7737, 22.9604,
64.1516

■ 23.7737, 22.9604,
64.1516

■ 20.3564, 18.6632,
63.5028

■ 28.0049, 28.0337,
64.9083

■ 17.6905, 15.0952,
62.9546

■ 33.1009, 33.9214,
65.7762

■ 15.7074, 12.2068,
62.5016

■ 39.1110, 40.6615,
66.7604

■ 14.3094, 9.9317,
62.1361

■ 46.0800, 48.2891,
67.8653

■ 14.0824, 9.5522,
62.0748

■ 54.0497, 56.8368,
69.0952

■ 63.0593, 66.3356,
70.4538

■ 73.1456, 76.8151,
71.9449

■ 83.9723, 88.1118,
73.5547

■ 88.1223, 96.4118,
74.9381

Harmonies

Analogous

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



18.7850, 22.9604, 62.3054



23.7737, 22.9604, 64.1516



28.9581, 22.9604, 52.8516

Triad

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



23.7737, 22.9604, 64.1516



30.1189, 22.9604, 10.6653



13.7687, 22.9604, 16.9291

Complementary

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



23.7737, 22.9604, 64.1516



42.1602, 42.0463, 15.1277

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.



15.9685, 22.9604, 9.1984



23.7737, 22.9604, 64.1516



25.1725, 22.9604, 6.6835

Square

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



23.7737, 22.9604, 64.1516



32.9850, 22.9604, 19.9557



19.9824, 22.9604, 6.2792



13.5148, 22.9604, 30.8298

Rectangle

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



23.7737, 22.9604, 64.1516



31.6304, 22.9604, 41.2631



19.9824, 22.9604, 6.2792



14.2869, 22.9604, 13.6941

Sweetspot

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



23.7746, 22.9612, 64.1522



72.5499, 76.0638, 105.4657



33.8881, 50.8951, 43.7638



15.0260, 15.7362, 22.4954



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.



23.7746, 22.9612, 64.1522



30.3623, 27.3609, 98.2887



20.8639, 14.5932, 62.6904



11.4997, 12.0896, 14.9711



8.6760, 5.9987, 37.8931



0.5589, 0.4831, 2.1434

Inverse Universe

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



34.1657, 22.3211, 23.9809



48.5492, 28.3741, 27.5009



46.9887, 58.2326, 17.9975



11.9783, 11.8761, 13.1618



17.0100, 8.6768, 4.9588



0.9884, 0.5001, 0.4735

Previews

White Background



This preview shows how the XYZ color 23.7737, 22.9604, 64.1516 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 23.7737, 22.9604, 64.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

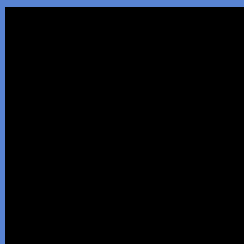
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7737, 22.9604, 64.1516

Background



This preview shows how black text looks on a background with the XYZ color 23.7737, 22.9604, 64.1516.

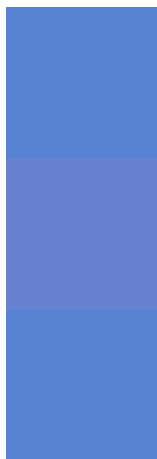


This preview shows how white text looks on a background with the XYZ color 23.7737, 22.9604,

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

23.7737, 22.9604, 64.1516

Protanopia

24.6023, 23.0213, 62.8214

Deuteranopia

23.5869, 22.8642, 64.1428



Tritanopia

17.8352, 23.1018, 34.0909

Trichromacy



Original Color

23.7737, 22.9604, 64.1516

Protanomaly

24.3151, 23.0555, 63.4902

Deuteranomaly

23.6796, 22.9120, 64.1472

Tritanomaly

19.6203, 22.9377, 43.4377

Monochromacy



Original Color

23.7737, 22.9604, 64.1516

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6150, 21.3834, 34.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7737, 22.9604, 64.1516 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(88, 131, 210)` looks like.

```
.text, #text, p{  
    color:rgb(88, 131, 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(88, 131, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 131, 210) }
```

Border

The CSS property to change the border of an element to XYZ 23.7737, 22.9604, 64.1516 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(88, 131, 210) }
```


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

```
.border{ border-color:rgb(88, 131, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 131, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 131, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 131, 210);  
box-shadow:4px 4px 4px 4px rgb(88, 131,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7737, 22.9604, 64.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 131, 210) }
```

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

```
.background{ background-color: rgb(88, 131,  
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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