

Converting Colors

XYZ(24.7533, 23.8829, 63.6918)

Have a look what the booklet for
XYZ(24.7533, 23.8829, 63.6918)
contains.

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Color

**XYZ(24.7200, 23.8653,
63.6252)**

Conversions

Conversions Part 1

Format	Color
Hex	6085D1
RGB	96, 133, 209
RGB Percent	38%, 52%, 82%
CMY	0.6235, 0.4784, 0.1804
CMYK	0.54, 0.36, 0.00, 0.18
HSL	220°, 55%, 60%
HSV	220°, 54%, 82%
XYZ	24.7200, 23.8653, 63.6252
YIQ	130.6010, -46.4480, 15.7920

Conversions

Conversions Part 2

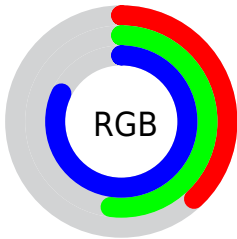
Format	Color
R _Y B	96, 124, 209
Decimal	6325713
CIE Lab	55.95, 9.02, -43.15
CIE LCh	56, 44.082, 281.804
Yxy	23.8653, 0.2203, 0.2127
Android (android.graphics.Color)	4284515793 (0xFF6085D1)
YUV	130.6010, 38.6507, -30.3451
Hunter-Lab	48.8521, 4.8328, -43.0230

Details

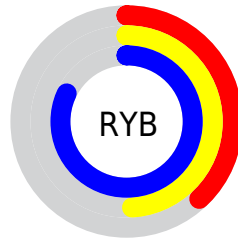
The XYZ color **24.7200, 23.8653, 63.6252** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **43.1596, 43.9066, 17.2676**, and the grayscale version is **21.3108, 22.4206, 24.4161**.

A 20% lighter version of the original color is **48.7458, 49.1101, 101.5178**, and **9.5987, 8.9808, 31.7994** is the 20% darker color. If you saturate the color by 10%, you get **21.0089, 19.2841, 62.9370**, and if you desaturate by 10%, it is **29.2750, 29.2646, 64.4278**.

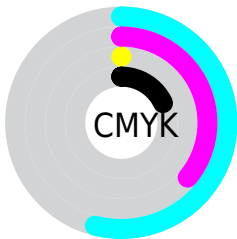
Distribution



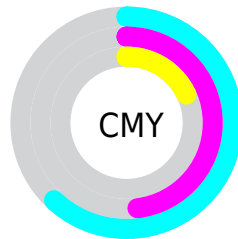
- Red (38%)
- Green (52%)
- Blue (82%)



- Red (38%)
- Yellow (49%)
- Blue (82%)



- Cyan (54%)
- Magenta (36%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (48%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7200, 23.8653, 63.6252 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 24.7200, 23.8653, 63.6252 by changing the saturation by 10% instead.

■ 24.7200, 23.8653,
63.6252

■ 24.7200, 23.8653,
63.6252

268.8141,
272.1388, 456.0052

■ 15.9962, 15.2337,
45.9029

■ 50.6488, 49.8103,
111.6653

■ 9.6123, 8.9836,
31.8211

■ 68.5845, 67.8925,
142.8201

■ 5.2029, 4.7305,
20.9612

■ 90.3215, 89.8937,
179.2896

■ 2.4028, 2.0900,
12.9047

■ 116.2252,
116.1984, 221.4923

■ 0.8465, 0.6590,
7.2330

146.6610,
147.1908, 269.8466

■ 0.0000, 0.0000,
3.5276

181.9941,

■ 0.0000, 0.0000,

183.2554, 324.7712

1.3699

222.5900,
224.7766, 386.6845

■ 0.0000, 0.0000,
0.1181

■ 0.0000, 0.0000,
0.0000

■ 24.7200, 23.8653,
63.6252

■ 24.7200, 23.8653,
63.6252

■ 21.0089, 19.2841,
62.9370

■ 29.2750, 29.2646,
64.4278

■ 18.0812, 15.4737,
62.3559

■ 34.7229, 35.5204,
65.3481

■ 15.8724, 12.3851,
61.8761

■ 41.1121, 42.6716,
66.3917

■ 14.3041, 9.9607,
61.4908

■ 48.4865, 50.7537,
67.5630

■ 13.6020, 8.7900,
61.3018

■ 56.8872, 59.8001,
68.8664

■ 66.3528, 69.8426,
70.3059

■ 76.9200, 80.9115,
71.8855

■ 85.5399, 91.4458,
73.4645

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



19.7950, 23.8653, 62.1841



24.7200, 23.8653, 63.6252



29.7609, 23.8653, 52.5867

Triad

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



24.7200, 23.8653, 63.6252



30.6842, 23.8653, 11.5486



14.6795, 23.8653, 18.2595

Complementary

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



24.7200, 23.8653, 63.6252



43.1596, 43.9066, 17.2676

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.



16.8274, 23.8653, 10.3229



24.7200, 23.8653, 63.6252



25.8396, 23.8653, 7.5534

Square

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



24.7200, 23.8653, 63.6252



33.5294, 23.8653, 20.7205



20.7616, 23.8653, 7.2080



14.4716, 23.8653, 32.0739

Rectangle

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



24.7200, 23.8653, 63.6252



32.3203, 23.8653, 41.3940



20.7616, 23.8653, 7.2080



15.1819, 23.8653, 14.9714

Sweetspot

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



24.7209, 23.8661, 63.6258



73.4621, 76.7905, 105.5579



35.0078, 51.0415, 46.7029



15.1956, 15.8593, 22.5102



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.



24.7209, 23.8661, 63.6258



32.0945, 29.1575, 98.5441



22.7410, 16.6040, 62.3284



11.4753, 12.0409, 14.9630



8.4670, 5.5807, 37.8234



0.5453, 0.4558, 2.1388

Inverse Universe

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



34.7118, 23.6156, 24.9197



49.8306, 30.4454, 29.4436



46.1894, 57.4147, 19.7153



11.9660, 11.8712, 13.0970



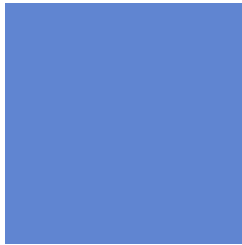
16.9045, 8.6346, 4.4032



0.9815, 0.4973, 0.4373

Previews

White Background



This preview shows how the XYZ color 24.7200, 23.8653, 63.6252 looks on a white background.

Color Contrast Check

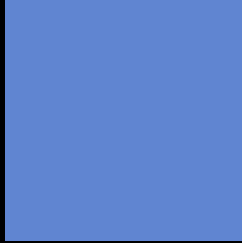
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7200, 23.8653, 63.6252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

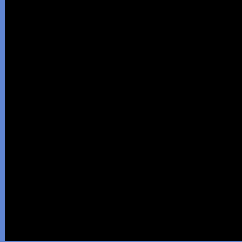
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7200, 23.8653, 63.6252

Background



This preview shows how black text looks on a background with the XYZ color 24.7200, 23.8653, 63.6252.

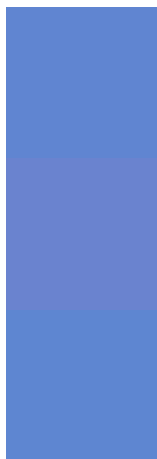


This preview shows how white text looks on a background with the XYZ color 24.7200, 23.8653,

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

24.7200, 23.8653, 63.6252

Protanopia

25.3226, 23.8018, 62.2910

Deuteranopia

24.6498, 24.0333, 63.6613



Tritanopia

19.0346, 23.9246, 35.0672

Trichromacy



Original Color

24.7200, 23.8653, 63.6252

Protanomaly

25.1159, 23.8814, 62.9603

Deuteranomaly

24.7530, 24.0865, 63.6661

Tritanomaly

20.7721, 23.7361, 44.0442

Monochromacy



Original Color

24.7200, 23.8653, 63.6252

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9805, 22.8573, 36.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7200, 23.8653, 63.6252 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(96, 133, 209)` looks like.

```
.text, #text, p{  
    color:rgb(96, 133, 209)  
}
```

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(96, 133, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 133, 209) }
```

Border

The CSS property to change the border of an element to XYZ 24.7200, 23.8653, 63.6252 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(96, 133, 209) }
```


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

```
.border{ border-color:rgb(96, 133, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 133, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 133, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 133, 209);  
box-shadow:4px 4px 4px 4px rgb(96, 133,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7200, 23.8653, 63.6252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 133, 209) }
```

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

```
.background{ background-color: rgb(96, 133,  
209) }
```

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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