

# Converting Colors

XYZ(24.3212, 23.6878, 53.1595)

Have a look what the booklet for  
XYZ(24.3212, 23.6878, 53.1595)  
contains.

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# Color

**XYZ(24.3212, 23.6878,  
53.1595)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F84C0
RGB	111, 132, 192
RGB Percent	44%, 52%, 75%
CMY	0.5647, 0.4823, 0.2471
CMYK	0.42, 0.31, 0.00, 0.25
HSL	224°, 39%, 59%
HSV	224°, 42%, 75%
XYZ	24.3212, 23.6878, 53.1595
YIQ	132.5610, -31.7760, 14.2080

# Conversions

## Conversions Part 2

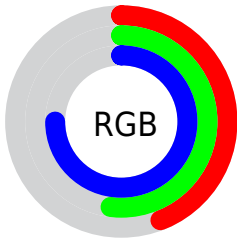
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 128, 192
Decimal	7308480
CIE <sub>Lab</sub>	55.77, 8.06, -33.74
CIE <sub>LCh</sub>	56, 34.686, 283.442
Yxy	23.6878, 0.2404, 0.2341
Android (android.graphics.Color)	4285498560 (0xFF6F84C0)
YUV	132.5610, 29.3034, -18.9090
Hunter-Lab	48.6701, 4.0265, -30.6899

# Details

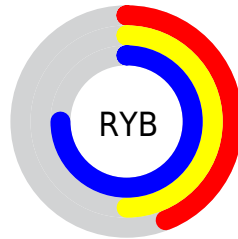
The XYZ color **24.3212, 23.6878, 53.1595** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **39.1711, 41.4808, 20.9819**, and the grayscale version is **22.0410, 23.1889, 25.2527**.

A 20% lighter version of the original color is **50.1737, 49.6445, 96.5604**, and **9.4256, 8.9210, 25.2699** is the 20% darker color. If you saturate the color by 10%, you get **20.3611, 18.9761, 52.4592**, and if you desaturate by 10%, it is **29.0652, 29.1948, 53.9729**.

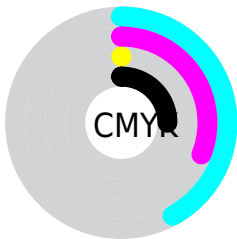
# Distribution



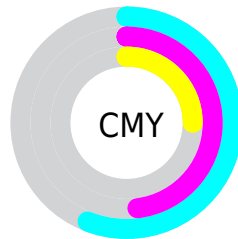
- Red (44%)
- Green (52%)
- Blue (75%)



- Red (44%)
- Yellow (50%)
- Blue (75%)



- Cyan (42%)
- Magenta (31%)
- Yellow (0%)
- Black (25%)



- Cyan (56%)
- Magenta (48%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3212, 23.6878, 53.1595 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 24.3212, 23.6878, 53.1595 by changing the saturation by 10% instead.



■ 24.3212, 23.6878,  
53.1595

■ 24.3212, 23.6878,  
53.1595

266.8508,  
271.2383, 415.9804

■ 15.6981, 15.1022,  
37.5415

■ 50.0047, 49.5203,  
96.2830

■ 9.4003, 8.8911,  
25.3280

■ 67.7958, 67.5359,  
124.6255

■ 5.0624, 4.6702,  
16.1003

■ 89.3736, 89.4637,  
158.0467

■ 2.3190, 2.0551,  
9.4401

115.1035,  
115.6879, 196.9650

■ 0.8044, 0.6392,  
4.9286

145.3508,  
146.5932, 241.7989

■ 0.0000, 0.0000,  
2.1474

180.4809,

■ 0.0000, 0.0000,

182.5637, 292.9671

0.6438

220.8591,  
223.9839, 350.8881

■ 0.0000, 0.0000,  
0.0000

■ 24.3212, 23.6878,  
53.1595

■ 24.3212, 23.6878,  
53.1595

■ 20.3611, 18.9761,  
52.4592

■ 29.0652, 29.1948,  
53.9729

■ 17.1381, 15.0186,  
51.8652

■ 34.6311, 35.5303,  
54.9024

■ 14.6043, 11.7743,  
51.3725

■ 41.0574, 42.7284,  
55.9531

■ 12.7047, 9.1968,  
50.9752

■ 48.3795, 50.8208,  
57.1291

■ 11.3745, 7.2332,  
50.6663

■ 56.6305, 59.8375,  
58.4346

■ 10.6456, 6.0680,  
50.4798

■ 65.8421, 69.8068,  
59.8734

■ 76.0443, 80.7561,  
61.4491

■ 83.6437, 90.8442,  
62.9958

■ 86.5145, 96.5858,  
63.9527

# Harmonies

## Analogous

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



20.4246, 23.6878, 52.6666



24.3212, 23.6878, 53.1595



28.1336, 23.6878, 44.9616

# Triad

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



24.3212, 23.6878, 53.1595



28.4728, 23.6878, 13.5684



16.0078, 23.6878, 20.0916

# Complementary

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



24.3212, 23.6878, 53.1595



39.1711, 41.4808, 20.9819

# 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.



17.6984, 23.6878, 13.0321



24.3212, 23.6878, 53.1595



24.7425, 23.6878, 10.0883

# Square

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



24.3212, 23.6878, 53.1595



30.7124, 23.6878, 21.0718



20.7996, 23.6878, 9.9259



15.9230, 23.6878, 31.1692



# Rectangle

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



24.3212, 23.6878, 53.1595



29.9904, 23.6878, 36.7550



20.7996, 23.6878, 9.9259



16.3973, 23.6878, 17.2595

# Sweetspot

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



24.3220, 23.6887, 53.1601



73.1295, 76.0142, 101.1782



32.6995, 43.9968, 44.9984



15.1104, 15.6624, 21.6120



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3220, 23.6887, 53.1601



37.1332, 34.6735, 95.0958



24.3903, 19.9135, 52.4278



9.7359, 10.1631, 12.7334



7.2178, 4.1920, 33.9853



0.3699, 0.2972, 1.4878



# Inverse Universe

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



31.5882, 24.2422, 24.8449



52.3614, 36.7188, 35.5555



38.9752, 47.7432, 22.2010



10.1780, 10.1198, 11.0279



15.0392, 7.7054, 2.8524

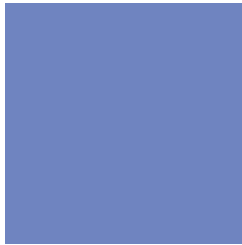


0.6791, 0.3446, 0.2775



# Previews

## White Background



This preview shows how the XYZ color 24.3212, 23.6878, 53.1595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

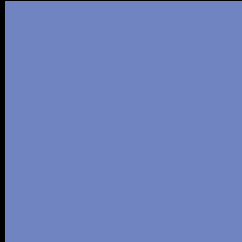
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.3212, 23.6878, 53.1595 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 24.3212, 23.6878, 53.1595**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3212, 23.6878, 53.1595.



This preview shows how white text looks on a background with the XYZ color 24.3212, 23.6878,



# 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

24.3212, 23.6878, 53.1595

### Protanopia

24.4597, 23.5716, 52.5508

### Deuteranopia

24.1961, 23.6233, 53.1537



## Tritanopia

20.2195, 23.6999, 32.7870

# Trichromacy



## Original Color

24.3212, 23.6878, 53.1595

## Protanomaly

24.3303, 23.5049, 52.5448

## Deuteranomaly

24.1961, 23.6233, 53.1537

## Tritanomaly

21.5375, 23.5876, 39.4941

# Monochromacy



## Original Color

24.3212, 23.6878, 53.1595

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

22.6777, 23.4681, 33.9064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3212, 23.6878, 53.1595 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(111, 132, 192)` looks like.

```
.text, #text, p{  
    color:rgb(111, 132, 192)  
}
```

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(111, 132, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 132, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3212, 23.6878, 53.1595 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(111, 132, 192) }
```



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

```
.border{ border-color:rgb(111, 132, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 132, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 132, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 132, 192);  
box-shadow:4px 4px 4px 4px rgb(111, 132,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3212, 23.6878, 53.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 132, 192) }
```

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

```
.background{ background-color: rgb(111,  
132, 192) }
```

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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