

Converting Colors

XYZ(24.7993, 24.0778, 58.7937)

Have a look what the booklet for
XYZ(24.7993, 24.0778, 58.7937)
contains.

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Color

**XYZ(24.7558, 23.9954,
58.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	6985C9
RGB	105, 133, 201
RGB Percent	41%, 52%, 79%
CMY	0.5882, 0.4784, 0.2118
CMYK	0.48, 0.34, 0.00, 0.21
HSL	223°, 47%, 60%
HSV	223°, 48%, 79%
XYZ	24.7558, 23.9954, 58.5851
YIQ	132.3800, -38.5160, 15.2120

Conversions

Conversions Part 2

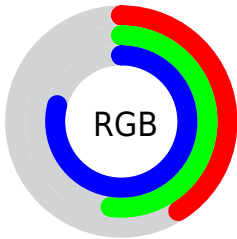
Format	Color
RYB	105, 127, 201
Decimal	6915529
CIELab	56.08, 8.61, -38.39
CIElCh	56, 39.342, 282.641
Yxy	23.9954, 0.2306, 0.2236
Android (android.graphics.Color)	4285105609 (0xFF6985C9)
YUV	132.3800, 33.8297, -24.0123
Hunter-Lab	48.9851, 4.4853, -36.6200

Details

The XYZ color **24.7558, 23.9954, 58.5851** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **41.5815, 43.3255, 19.5367**, and the grayscale version is **21.9616, 23.1053, 25.1617**.

A 20% lighter version of the original color is **50.3068, 49.9149, 101.5908**, and **9.6557, 9.0756, 28.8466** is the 20% darker color. If you saturate the color by 10%, you get **20.8491, 19.2816, 57.8816**, and if you desaturate by 10%, it is **29.4864, 29.5270, 59.4039**.

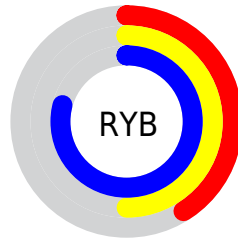
Distribution



Red (41%)

Green (52%)

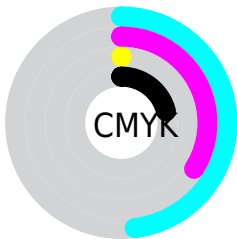
Blue (79%)



Red (41%)

Yellow (50%)

Blue (79%)

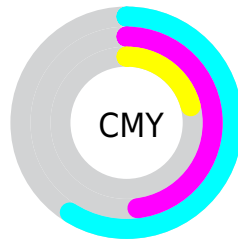


Cyan (48%)

Magenta (34%)

Yellow (0%)

Black (21%)



Cyan (59%)

Magenta (48%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7558, 23.9954, 58.5851 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 24.7558, 23.9954, 58.5851 by changing the saturation by 10% instead.

■ 24.7558, 23.9954,
58.5851

■ 24.7558, 23.9954,
58.5851

268.9897,
272.7972, 437.0216

■ 16.0230, 15.3302,
41.8614

■ 50.7065, 50.0227,
104.2976

■ 9.6314, 9.0515,
28.6680

■ 68.6552, 68.1536,
134.1235

■ 5.2156, 4.7748,
18.5864

■ 90.4064, 90.2085,
169.1538

■ 2.4104, 2.1157,
11.1980

■ 116.3257,
116.5718, 209.8072

■ 0.8503, 0.6734,
6.0844

146.7783,
147.6280, 256.5021

■ 0.0000, 0.0000,
2.8268

182.1296,

■ 0.0000, 0.0000,

183.7613, 309.6571

1.0069

222.7450,
225.3563, 369.6908

■ 0.0000, 0.0000,
0.0000

■ 24.7558, 23.9954,
58.5851

■ 24.7558, 23.9954,
58.5851

■ 20.8491, 19.2816,
57.8816

■ 29.4864, 29.5270,
59.4039

■ 17.7132, 15.3413,
57.2863

■ 35.0842, 35.9124,
60.3414

■ 15.2925, 12.1295,
56.7940

■ 41.5926, 43.1882,
61.4027

■ 13.5219, 9.5948,
56.3981

■ 49.0512, 51.3882,
62.5924

■ 12.3116, 7.6712,
56.0906

■ 57.4970, 60.5444,
63.9146

■ 12.0874, 7.3065,
56.0320

■ 66.9653, 70.6871,
65.3733

■ 77.4895, 81.8453,
66.9723

■ 85.0140, 91.9396,
68.5242

■ 87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



20.3185, 23.9954, 57.6840



24.7558, 23.9954, 58.5851



29.1933, 23.9954, 48.9588

Triad

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



24.7558, 23.9954, 58.5851



29.7920, 23.9954, 12.6660



15.4971, 23.9954, 19.4012

Complementary

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



24.7558, 23.9954, 58.5851



41.5815, 43.3255, 19.5367

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.



17.4273, 23.9954, 11.7953



24.7558, 23.9954, 58.5851



25.4907, 23.9954, 8.8798

Square

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



24.7558, 23.9954, 58.5851



32.3479, 23.9954, 21.0647



20.9631, 23.9954, 8.6248



15.3548, 23.9954, 31.9414

Rectangle

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



24.7558, 23.9954, 58.5851



31.3990, 23.9954, 39.2689



20.9631, 23.9954, 8.6248



15.9454, 23.9954, 16.3026

Sweetspot

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



24.7567, 23.9963, 58.5857



75.5706, 78.7603, 105.8270



34.1787, 47.7634, 46.5492



15.5969, 16.2196, 22.5586



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.



24.7567, 23.9963, 58.5857



35.6722, 32.9830, 99.0940



23.9362, 18.6212, 57.5914



10.3045, 10.7832, 13.4557



7.6694, 4.7328, 35.2537



0.4269, 0.3516, 1.6905

Inverse Universe

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



33.3733, 24.2150, 25.1062



52.4493, 34.6049, 33.6393



42.6813, 52.7145, 21.2910



10.7590, 10.6870, 11.7142



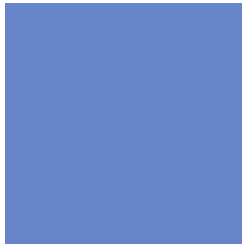
15.6705, 8.0178, 3.4748



0.7742, 0.3925, 0.3340

Previews

White Background



This preview shows how the XYZ color 24.7558, 23.9954, 58.5851 looks on a white background.

Color Contrast Check

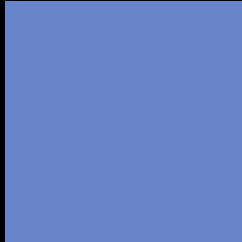
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7558, 23.9954, 58.5851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

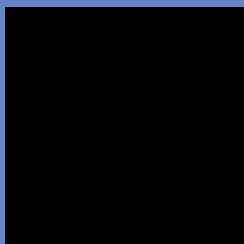
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

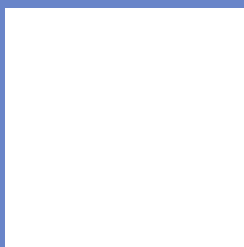
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7558, 23.9954, 58.5851

Background



This preview shows how black text looks on a background with the XYZ color 24.7558, 23.9954, 58.5851.

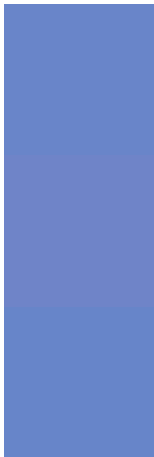


This preview shows how white text looks on a background with the XYZ color 24.7558, 23.9954,

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

24.7558, 23.9954, 58.5851

Protanopia

25.2321, 24.0522, 57.9562

Deuteranopia

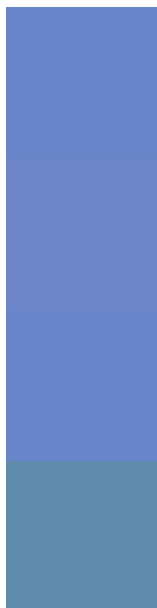
24.5237, 23.8757, 58.5743



Tritanopia

19.8201, 23.9032, 34.1410

Trichromacy



Original Color

24.7558, 23.9954, 58.5851

Protanomaly

24.9833, 23.9239, 57.9446

Deuteranomaly

24.6391, 23.9352, 58.5797

Tritanomaly

21.4072, 23.8923, 42.0115

Monochromacy



Original Color

24.7558, 23.9954, 58.5851

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3631, 23.0744, 35.1734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7558, 23.9954, 58.5851 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, 133, 201)` looks like.

```
.text, #text, p{  
    color:rgb(105, 133, 201)  
}
```

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, 133, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 133, 201) }
```

Border

The CSS property to change the border of an element to XYZ 24.7558, 23.9954, 58.5851 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, 133, 201) }
```


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

```
.border{ border-color:rgb(105, 133, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 133, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 133, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 133, 201);  
box-shadow:4px 4px 4px 4px rgb(105, 133,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7558, 23.9954, 58.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 133, 201) }
```

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

```
.background{ background-color: rgb(105,  
133, 201) }
```

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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