

Converting Colors

XYZ(23.6807, 25.5195, 55.0947)

Have a look what the booklet for
XYZ(23.6807, 25.5195, 55.0947)
contains.

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Color

**XYZ(23.6432, 25.4100,
55.2882)**

Conversions

Conversions Part 1

Format	Color
Hex	598EC3
RGB	89, 142, 195
RGB Percent	35%, 56%, 76%
CMY	0.6510, 0.4431, 0.2353
CMYK	0.54, 0.27, 0.00, 0.24
HSL	210°, 47%, 56%
HSV	210°, 54%, 76%
XYZ	23.6432, 25.4100, 55.2882
YIQ	132.1950, -48.6010, 5.2470

Conversions

Conversions Part 2

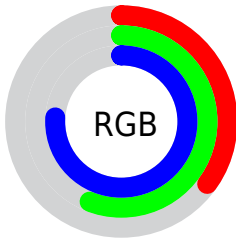
Format	Color
R _Y B	89, 124, 195
Decimal	5869251
CIE Lab	57.47, -2.24, -32.88
CIE LCh	57, 32.958, 266.108
Yxy	25.4100, 0.2266, 0.2435
Android (android.graphics.Color)	4284059331 (0xFF598EC3)
YUV	132.1950, 30.9629, -37.8820
Hunter-Lab	50.4083, -4.4921, -29.7438

Details

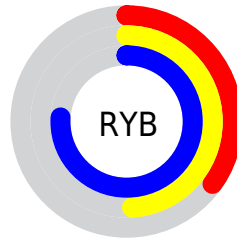
The XYZ color **23.6432, 25.4100, 55.2882** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.9829, 31.6709, 13.7744**, and the grayscale version is **21.9077, 23.0486, 25.0999**.

A 20% lighter version of the original color is **48.9877, 52.5279, 99.6524**, and **9.0358, 9.7841, 26.6116** is the 20% darker color. If you saturate the color by 10%, you get **20.6261, 21.7949, 54.7499**, and if you desaturate by 10%, it is **27.2845, 29.5363, 55.8932**.

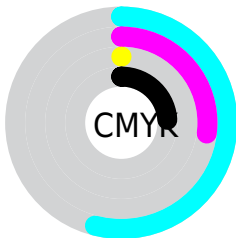
Distribution



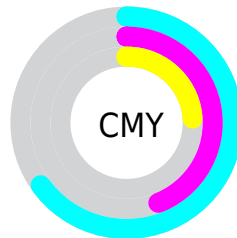
- Red (35%)
- Green (56%)
- Blue (76%)



- Red (35%)
- Yellow (49%)
- Blue (76%)



- Cyan (54%)
- Magenta (27%)
- Yellow (0%)
- Black (24%)



- Cyan (65%)
- Magenta (44%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6432, 25.4100, 55.2882 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 23.6432, 25.4100, 55.2882 by changing the saturation by 10% instead.

■ 23.6432, 25.4100,
55.2882

■ 23.6432, 25.4100,
55.2882

263.4857,
279.8737, 424.3162

■ 15.1925, 16.3828,
39.2324

■ 48.9063, 52.3216,
99.4385

■ 9.0418, 9.7954,
26.6313

■ 66.4493, 70.9747,
128.3700

■ 4.8258, 5.2635,
17.0665

■ 87.7538, 93.6053,
162.4304

■ 2.1791, 2.4027,
10.1195

■ 113.1851,
120.5978, 202.0384

■ 0.7317, 0.8273,
5.3716

143.1086,
152.3364, 247.6124

■ 0.0000, 0.0000,
2.4044

177.8896,

■ 0.0000, 0.0000,

189.2057, 299.5710

0.7888

217.8935,
231.5900, 358.3328

■ 0.0000, 0.0000,
0.0000

■ 23.6432, 25.4100,
55.2882

■ 23.6432, 25.4100,
55.2882

■ 20.6261, 21.7949,
54.7499

■ 27.2845, 29.5363,
55.8932

■ 18.1874, 18.6610,
54.2736

■ 31.5863, 34.1956,
56.5658

■ 16.2781, 15.9787,
53.8564

■ 36.5847, 39.4115,
57.3092

■ 14.8388, 13.7121,
53.4948

■ 42.3125, 45.2053,
58.1256

■ 14.1713, 12.5819,
53.3118

■ 48.8003, 51.5969,
59.0173

■ 56.0768, 58.6051,
59.9865

■ 64.1691, 66.2478,
61.0352

■ 73.1031, 74.5423,
62.1654

■ 79.3189, 81.6572,
63.2111

Harmonies

Analogous

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



20.1860, 25.4100, 49.7425



23.6432, 25.4100, 55.2882



27.6238, 25.4100, 51.9415

Triad

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



23.6432, 25.4100, 55.2882



31.5748, 25.4100, 19.2108



18.4175, 25.4100, 17.2878

Complementary

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



23.6432, 25.4100, 55.2882



33.9829, 31.6709, 13.7744

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.



20.9830, 25.4100, 12.4534



23.6432, 25.4100, 55.2882



28.6048, 25.4100, 13.3344

Square

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



23.6432, 25.4100, 55.2882



32.4824, 25.4100, 29.1591



24.6669, 25.4100, 11.2309



17.3827, 25.4100, 26.2270

Rectangle

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



23.6432, 25.4100, 55.2882



30.0029, 25.4100, 45.5018



24.6669, 25.4100, 11.2309



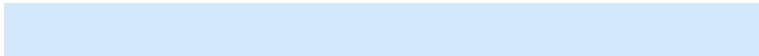
19.1150, 25.4100, 15.2337

Sweetspot

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



23.6441, 25.4109, 55.2888



73.7382, 78.9186, 103.8162



28.5184, 43.1078, 32.4100



15.6635, 16.7952, 22.6662



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.



23.6441, 25.4109, 55.2888



36.1507, 38.0494, 97.9087



17.5436, 13.2100, 53.2553



9.9350, 10.5614, 12.7997



9.2946, 8.3456, 34.6776



0.4705, 0.4985, 1.5213

Inverse Universe

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



30.9614, 20.7010, 27.9558



51.1210, 30.7354, 41.4680



43.8246, 51.3541, 17.0550



10.2785, 10.1600, 11.5571



16.0874, 8.1247, 8.3725



0.7299, 0.3650, 0.5450

Previews

White Background



This preview shows how the XYZ color 23.6432, 25.4100, 55.2882 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 23.6432, 25.4100, 55.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

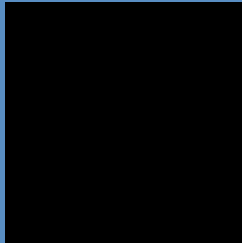
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6432, 25.4100, 55.2882

Background



This preview shows how black text looks on a background with the XYZ color 23.6432, 25.4100, 55.2882.

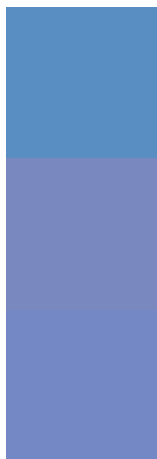


This preview shows how white text looks on a background with the XYZ color 23.6432, 25.4100,

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

23.6432, 25.4100, 55.2882

Protanopia

25.9836, 25.3910, 52.2467

Deuteranopia

25.8382, 25.2387, 55.7343



Tritanopia

19.9156, 25.2544, 37.0826

Trichromacy



Original Color

23.6432, 25.4100, 55.2882

Protanomaly

24.9096, 25.2339, 53.4269

Deuteranomaly

24.9961, 25.2267, 55.7763

Tritanomaly

21.2150, 25.3242, 43.3051

Monochromacy



Original Color

23.6432, 25.4100, 55.2882

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9230, 23.6879, 34.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6432, 25.4100, 55.2882 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(89, 142, 195)` looks like.

```
.text, #text, p{  
  color:rgb(89, 142, 195)  
}
```

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(89, 142, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 142, 195) }
```

Border

The CSS property to change the border of an element to XYZ 23.6432, 25.4100, 55.2882 is called "border". The border property can be set on classes, ids or directly on the HTML element.

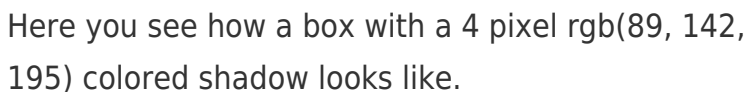
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 142, 195) }
```


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

```
.border{ border-color:rgb(89, 142, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 142, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 142, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 142, 195);  
box-shadow:4px 4px 4px 4px rgb(89, 142,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6432, 25.4100, 55.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 142, 195) }
```

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

```
.background{ background-color: rgb(89, 142,  
195) }
```

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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