

Converting Colors

XYZ(25.9144, 23.2870, 85.3336)

Have a look what the booklet for
XYZ(25.9144, 23.2870, 85.3336)
contains.

XYZ(25.8932, 23.1851, 85.5485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8932, 23.1851,
85.5485)**

Conversions

Conversions Part 1

Format	Color
Hex	4381F0
RGB	67, 129, 240
RGB Percent	26%, 51%, 94%
CMY	0.7372, 0.4941, 0.0588
CMYK	0.72, 0.46, 0.00, 0.06
HSL	218°, 85%, 60%
HSV	218°, 72%, 94%
XYZ	25.8932, 23.1851, 85.5485
YIQ	123.1160, -72.5830, 21.3770

Conversions

Conversions Part 2

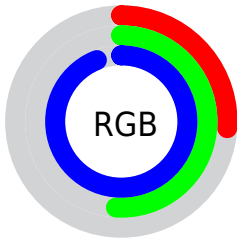
Format	Color
RYB	67, 113, 240
Decimal	4424176
CIELab	55.26, 16.96, -61.68
CIELCh	55, 63.974, 285.377
Yxy	23.1851, 0.1923, 0.1722
Android (android.graphics.Color)	4282614256 (0xFF4381F0)
YUV	123.1160, 57.6238, -49.2137
Hunter-Lab	48.1509, 11.7245, -71.6334

Details

The XYZ color **25.8932, 23.1851, 85.5485** is a light color, and the websafe version is hex **3366CC**. The color can be described as light washed azure. A complement of this color would be **52.8717, 50.7763, 12.3263**, and the grayscale version is **18.6995, 19.6734, 21.4243**.

A 20% lighter version of the original color is **44.5655, 45.4186, 101.0256**, and **11.4897, 9.3038, 45.9900** is the 20% darker color. If you saturate the color by 10%, you get **22.6975, 18.7500, 84.8614**, and if you desaturate by 10%, it is **30.0779, 28.5842, 86.3706**.

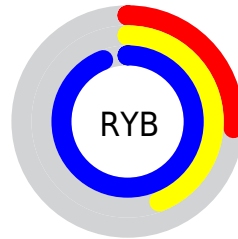
Distribution



Red (26%)

Green (51%)

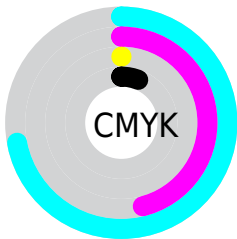
Blue (94%)



Red (26%)

Yellow (44%)

Blue (94%)

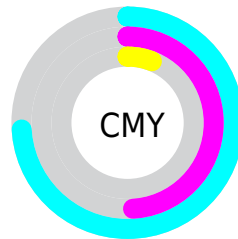


Cyan (72%)

Magenta (46%)

Yellow (0%)

Black (6%)



Cyan (74%)

Magenta (49%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8932, 23.1851, 85.5485 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 25.8932, 23.1851, 85.5485 by changing the saturation by 10% instead.

■ 25.8932, 23.1851,
85.5485

■ 25.8932, 23.1851,
85.5485

274.5237,
268.6743, 533.6331

■ 16.8760, 14.7302,
63.7419

■ 52.5351, 48.6971,
143.0202

■ 10.2409, 8.6303,
45.9968

■ 70.8906, 66.5230,
179.5225

■ 5.6225, 4.5008,
31.8947

■ 93.0895, 88.2414,
221.7603

■ 2.6554, 1.9575,
21.0169

■ 119.4973,
114.2366, 270.1524

■ 0.9742, 0.5826,
12.9450

150.4792,
144.8932, 325.1171

■ 0.0000, 0.0000,
7.2604

186.4007,

■ 0.0000, 0.0000,

180.5954, 387.0732

3.5446

227.6271,
221.7276, 456.4390

■ 0.0000, 0.0000,
1.3790

■ 0.0000, 0.0000,
0.1252

■ 25.8932, 23.1851,
85.5485

■ 25.8932, 23.1851,
85.5485

■ 22.6975, 18.7500,
84.8614

■ 30.0779, 28.5842,
86.3706

■ 20.3836, 15.2029,
84.2987

■ 35.3364, 35.0095,
87.3337

■ 19.0562, 12.9472,
83.9333

■ 41.7469, 42.5194,
88.4454

■ 49.3789, 51.1667,
89.7122

■ 58.2963, 61.0005,
91.1403

■ 68.5581, 72.0666,
92.7354

■ 80.2198, 84.4083,
94.5030

■ 91.8415, 97.2978,
96.3784

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



18.7403, 23.1851, 85.8520



25.8932, 23.1851, 85.5485



33.3612, 23.1851, 64.3097

Triad

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



25.8932, 23.1851, 85.5485



33.1925, 23.1851, 6.2946



11.2184, 23.1851, 16.5408

Complementary

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



25.8932, 23.1851, 85.5485



52.8717, 50.7763, 12.3263

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.



13.6177, 23.1851, 6.4411



25.8932, 23.1851, 85.5485



25.6987, 23.1851, 3.0839

Square

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



25.8932, 23.1851, 85.5485



38.1572, 23.1851, 16.1654



18.5836, 23.1851, 3.1171



11.2483, 23.1851, 37.2113

Rectangle

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



25.8932, 23.1851, 85.5485



37.0730, 23.1851, 45.4961



18.5836, 23.1851, 3.1171



11.7402, 23.1851, 12.1216

Sweetspot

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



25.8942, 23.1858, 85.5491



66.9089, 70.0130, 104.5951



41.3690, 66.6716, 52.0600



13.6932, 14.2989, 22.2882



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.



25.8942, 23.1858, 85.5491



24.8165, 19.6885, 97.1000



21.9601, 12.4846, 83.6909



15.3608, 16.1557, 20.0304



10.5459, 7.3160, 45.9842



0.9682, 0.7905, 3.8558

Inverse Universe

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



41.9058, 24.1262, 23.2173



44.9153, 23.7251, 18.2166



60.7699, 77.4678, 17.0620



16.0068, 15.8524, 17.5921



20.6487, 10.5319, 6.0666



1.7637, 0.8945, 0.7463

Previews

White Background



This preview shows how the XYZ color 25.8932, 23.1851, 85.5485 looks on a white background.

Color Contrast Check

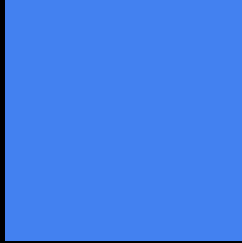
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8932, 23.1851, 85.5485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

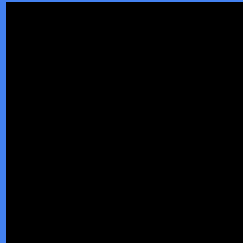
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

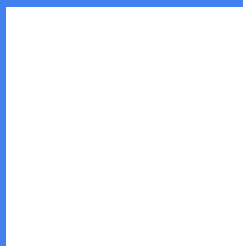
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8932, 23.1851, 85.5485

Background



This preview shows how black text looks on a background with the XYZ color 25.8932, 23.1851, 85.5485.



This preview shows how white text looks on a background with the XYZ color 25.8932, 23.1851,

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

25.8932, 23.1851, 85.5485

Protanopia

26.3597, 23.2481, 84.7594

Deuteranopia

23.8112, 23.1646, 83.3370



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

25.8932, 23.1851, 85.5485

Protanomaly

26.0468, 23.0868, 84.7447

Deuteranomaly

24.0606, 22.8698, 84.0351

Tritanomaly

18.7244, 22.5382, 50.3771

Monochromacy



Original Color

25.8932, 23.1851, 85.5485

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.8101, 20.3040, 38.9513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8932, 23.1851, 85.5485 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(67, 129, 240)` looks like.

```
.text, #text, p{  
    color:rgb(67, 129, 240)  
}
```

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(67, 129, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 129, 240) }
```

Border

The CSS property to change the border of an element to XYZ 25.8932, 23.1851, 85.5485 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(67, 129, 240) }
```


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

```
.border{ border-color:rgb(67, 129, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 129, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 129, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 129, 240);  
box-shadow:4px 4px 4px 4px rgb(67, 129,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8932, 23.1851, 85.5485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 129, 240) }
```

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

```
.background{ background-color: rgb(67, 129,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor