

# Converting Colors

XYZ(25.1898, 23.2501, 75.1116)

Have a look what the booklet for  
XYZ(25.1898, 23.2501, 75.1116)  
contains.

<b>XYZ(25.1898, 23.2501, 75.1116)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(25.1898, 23.2501,  
75.1116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5282E2
RGB	82, 130, 226
RGB Percent	32%, 51%, 89%
CMY	0.6784, 0.4902, 0.1137
CMYK	0.64, 0.42, 0.00, 0.11
HSL	220°, 71%, 60%
HSV	220°, 64%, 89%
XYZ	25.1898, 23.2501, 75.1116
YIQ	126.5920, -59.4240, 19.6800

# Conversions

## Conversions Part 2

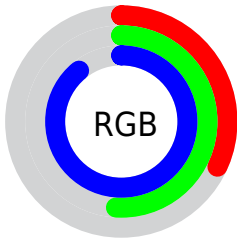
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	82, 118, 226
Decimal	5407458
CIE Lab	55.33, 13.72, -53.74
CIE LCh	55, 55.459, 284.318
Yxy	23.2501, 0.2039, 0.1882
Android (android.graphics.Color)	4283597538 (0xFF5282E2)
YUV	126.5920, 49.0081, -39.1072
Hunter-Lab	48.2184, 8.8682, -58.6055

# Details

The XYZ color **25.1898, 23.2501, 75.1116** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **48.8095, 48.6221, 14.7968**, and the grayscale version is **19.8865, 20.9221, 22.7842**.

A 20% lighter version of the original color is **46.1056, 46.5155, 101.1561**, and **10.1981, 8.7871, 39.1888** is the 20% darker color. If you saturate the color by 10%, you get **21.6787, 18.6797, 74.4150**, and if you desaturate by 10%, it is **29.6433, 28.7424, 75.9375**.

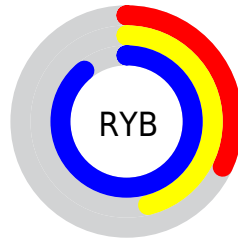
# Distribution



Red (32%)

Green (51%)

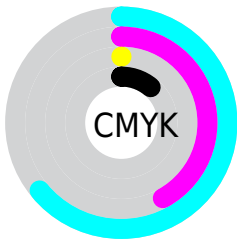
Blue (89%)



Red (32%)

Yellow (46%)

Blue (89%)

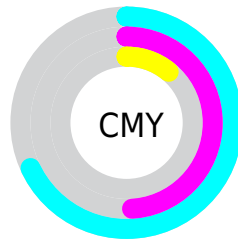


Cyan (64%)

Magenta (42%)

Yellow (0%)

Black (11%)



Cyan (68%)

Magenta (49%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1898, 23.2501, 75.1116 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 25.1898, 23.2501, 75.1116 by changing the saturation by 10% instead.



■ 25.1898, 23.2501,  
75.1116

■ 25.1898, 23.2501,  
75.1116

271.1121,  
269.0070, 497.5667

■ 16.3480, 14.7783,  
55.2020

■ 51.4056, 48.8037,  
128.2189

■ 9.8632, 8.6639,  
39.1638

■ 69.5104, 66.6542,  
162.2537

■ 5.3699, 4.5226,  
26.5784

■ 91.4335, 88.3998,  
201.8340

■ 2.5029, 1.9700,  
17.0272

■ 117.5404,  
114.4248, 247.3783

■ 0.8967, 0.5900,  
10.0917

148.1963,  
145.1136, 299.3052

■ 0.0000, 0.0000,  
5.3534

183.7667,

■ 0.0000, 0.0000,

180.8507, 358.0332

2.3937

224.6168,  
222.0203, 423.9809

■ 0.0000, 0.0000,  
0.7830

■ 0.0000, 0.0000,  
0.0000

■ 25.1898, 23.2501,  
75.1116

■ 25.1898, 23.2501,  
75.1116

■ 21.6787, 18.6797,  
74.4150

■ 29.6433, 28.7424,  
75.9375

■ 19.0280, 14.9695,  
73.8386

■ 35.1055, 35.2079,  
76.8976

■ 17.1446, 12.0515,  
73.3746

■ 41.6397, 42.6961,  
77.9986

■ 16.2659, 10.5676,  
73.1345

■ 49.3028, 51.2524,  
79.2462

■ 58.1478, 60.9190,  
80.6459

■ 68.2240, 71.7359,  
82.2027

■ 79.5777, 83.7409,  
83.9214

■ 89.3214, 95.4587,  
85.6697

■ 90.7276, 98.2710,  
86.1384

# Harmonies

## Analogous

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



19.0212, 23.2501, 74.6768



25.1898, 23.2501, 75.1116



31.5503, 23.2501, 58.5754

# Triad

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



25.1898, 23.2501, 75.1116



31.8062, 23.2501, 8.1349



12.4689, 23.2501, 17.1407

# Complementary

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



25.1898, 23.2501, 75.1116



48.8095, 48.6221, 14.7968

# 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.



14.7525, 23.2501, 7.8674



25.1898, 23.2501, 75.1116



25.4910, 23.2501, 4.5861

# Square

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



25.1898, 23.2501, 75.1116



35.8287, 23.2501, 17.7551



19.2711, 23.2501, 4.5189



12.4187, 23.2501, 34.7648



# Rectangle

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



25.1898, 23.2501, 75.1116



34.7226, 23.2501, 43.2474



19.2711, 23.2501, 4.5189



12.9784, 23.2501, 13.1848

# Sweetspot

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



25.1908, 23.2508, 75.1122



69.9638, 73.0350, 105.0174



38.7132, 59.4018, 51.5465



14.2765, 14.8662, 22.3670



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.



25.1908, 23.2508, 75.1122



27.4213, 23.0875, 97.6188



22.6902, 14.5915, 73.5726



13.3234, 13.9860, 17.3850



9.3773, 6.2241, 41.7555



0.7303, 0.5921, 2.9210



# Inverse Universe

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



38.4115, 23.8164, 23.6921



46.6720, 26.1199, 22.2508



53.0775, 67.5593, 18.2271



13.8947, 13.7755, 15.2158



18.6734, 9.5364, 4.9460



1.3349, 0.6772, 0.5564



# Previews

## White Background



This preview shows how the XYZ color 25.1898, 23.2501, 75.1116 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 25.1898, 23.2501, 75.1116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

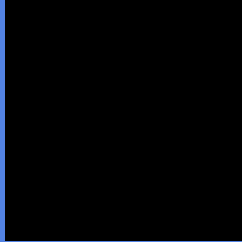
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

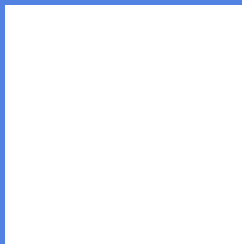
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 25.1898, 23.2501, 75.1116

## Background



This preview shows how black text looks on a background with the XYZ color 25.1898, 23.2501, 75.1116.



This preview shows how white text looks on a background with the XYZ color 25.1898, 23.2501,



# 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

25.1898, 23.2501, 75.1116

### Protanopia

25.6573, 23.3104, 74.3812

### Deuteranopia

23.9647, 23.2354, 74.4560



## Tritanopia

17.2499, 23.2206, 35.4711

# Trichromacy



## Original Color

25.1898, 23.2501, 75.1116

## Protanomaly

25.3713, 23.1630, 74.3679

## Deuteranomaly

24.2961, 23.2040, 74.4324

## Tritanomaly

19.5665, 23.0331, 47.6705

# Monochromacy



## Original Color

25.1898, 23.2501, 75.1116

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

20.8856, 21.4622, 37.6922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.1898, 23.2501, 75.1116 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(82, 130, 226)` looks like.

```
.text, #text, p{  
    color:rgb(82, 130, 226)  
}
```

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(82, 130, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 130, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 25.1898, 23.2501, 75.1116 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(82, 130, 226) }
```



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

```
.border{ border-color:rgb(82, 130, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 130, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 130, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 130, 226);  
box-shadow:4px 4px 4px 4px rgb(82, 130,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.1898, 23.2501, 75.1116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 130, 226) }
```

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

```
.background{ background-color: rgb(82, 130,  
226) }
```

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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