

Converting Colors

XYZ(25.7898, 23.6049, 64.1697)

Have a look what the booklet for
XYZ(25.7898, 23.6049, 64.1697)
contains.

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Color

**XYZ(25.7898, 23.6049,
64.1697)**

Conversions

Conversions Part 1

Format	Color
Hex	6D81D2
RGB	109, 129, 210
RGB Percent	43%, 51%, 82%
CMY	0.5725, 0.4941, 0.1765
CMYK	0.48, 0.39, 0.00, 0.18
HSL	228°, 53%, 63%
HSV	228°, 48%, 82%
XYZ	25.7898, 23.6049, 64.1697
YIQ	132.2540, -37.9210, 20.9510

Conversions

Conversions Part 2

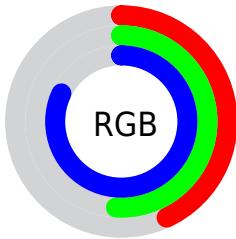
Format	Color
RYB	109, 126, 210
Decimal	7176658
CIELab	55.69, 14.69, -44.08
CIELCh	56, 46.462, 288.431
Yxy	23.6049, 0.2271, 0.2079
Android (android.graphics.Color)	4285366738 (0xFF6D81D2)
YUV	132.2540, 38.3288, -20.3938
Hunter-Lab	48.5849, 9.7278, -44.2994

Details

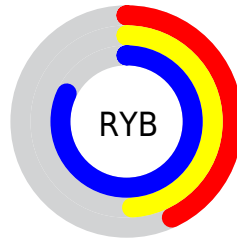
The XYZ color **25.7898, 23.6049, 64.1697** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **47.7533, 51.6343, 21.9188**, and the grayscale version is **21.9004, 23.0409, 25.0915**.

A 20% lighter version of the original color is **50.2950, 48.6752, 101.3522**, and **10.1503, 8.8077, 32.1754** is the 20% darker color. If you saturate the color by 10%, you get **21.4697, 18.3518, 63.3839**, and if you desaturate by 10%, it is **31.0944, 29.9091, 65.1074**.

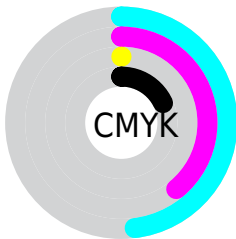
Distribution



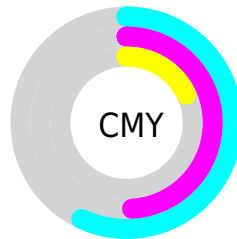
- Red (43%)
- Green (51%)
- Blue (82%)



- Red (43%)
- Yellow (49%)
- Blue (82%)



- Cyan (48%)
- Magenta (39%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7898, 23.6049, 64.1697 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 25.7898, 23.6049, 64.1697 by changing the saturation by 10% instead.

■ 25.7898, 23.6049,
64.1697

■ 25.7898, 23.6049,
64.1697

274.0244,
270.8169, 458.0265

■ 16.7983, 15.0408,
46.3411

■ 52.3694, 49.3847,
112.4571

■ 10.1852, 8.8480,
32.1644

■ 70.6882, 67.3691,
143.7530

■ 5.5851, 4.6422,
21.2213

■ 92.8468, 89.2625,
180.3750

■ 2.6327, 2.0389,
13.0930

119.2105,
115.4492, 222.7417

■ 0.9627, 0.6299,
7.3612

150.1448,
146.3136, 271.2717

■ 0.0000, 0.0000,
3.6071

186.0150,

■ 0.0000, 0.0000,

182.2401, 326.3835

1.4124

227.1864,
223.6130, 388.4955

■ 0.0000, 0.0000,
0.1514

■ 0.0000, 0.0000,
0.0000

■ 25.7898, 23.6049,
64.1697

■ 25.7898, 23.6049,
64.1697

■ 21.4697, 18.3518,
63.3839

■ 31.0944, 29.9091,
65.1074

■ 18.0689, 14.0885,
62.7402

■ 37.4378, 37.3160,
66.2028

■ 15.5182, 10.7508,
62.2305

■ 44.8734, 45.8766,
67.4632

■ 13.7367, 8.2655,
61.8446

■ 53.4500, 55.6383,
68.8954

■ 12.6135, 6.5400,
61.5708

■ 63.2135, 66.6453,
70.5054

■ 12.4461, 6.2795,
61.5293

■ 74.2074, 78.9399,
72.2990

■ 86.1019, 92.3711,
74.2646

■ 88.6329, 97.4332,
75.1083

Harmonies

Analogous

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



20.4667, 23.6049, 65.8362



25.7898, 23.6049, 64.1697



30.8908, 23.6049, 50.1283

Triad

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



25.7898, 23.6049, 64.1697



29.8429, 23.6049, 9.5442



13.9099, 23.6049, 20.3162

Complementary

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



25.7898, 23.6049, 64.1697



47.7533, 51.6343, 21.9188

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.



15.6841, 23.6049, 10.8683



25.7898, 23.6049, 64.1697



24.5272, 23.6049, 6.4801

Square

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



25.7898, 23.6049, 64.1697



33.4715, 23.6049, 17.5843



19.3859, 23.6049, 6.8451



14.1391, 23.6049, 35.9971

Rectangle

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



25.7898, 23.6049, 64.1697



33.2245, 23.6049, 37.8970



19.3859, 23.6049, 6.8451



14.2789, 23.6049, 16.4512

Sweetspot

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



25.7907, 23.6057, 64.1703



74.6505, 76.9201, 105.5203



38.6266, 53.0541, 56.8061



15.3751, 15.7759, 22.4846



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.



25.7907, 23.6057, 64.1703



32.9839, 28.0689, 98.2871



27.8003, 21.1065, 63.5820



11.3505, 11.7913, 14.9214



7.6488, 3.9441, 37.5507



0.4844, 0.3341, 2.1185

Inverse Universe

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



36.0103, 26.2250, 23.9336



50.9795, 33.5848, 27.2317



44.5604, 56.8653, 23.0968



11.9031, 11.8460, 12.7654



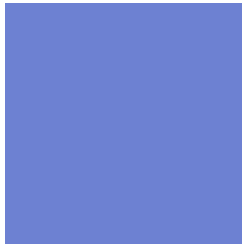
16.4915, 8.4694, 2.2283



0.9508, 0.4850, 0.2755

Previews

White Background



This preview shows how the XYZ color 25.7898, 23.6049, 64.1697 looks on a white background.

Color Contrast Check

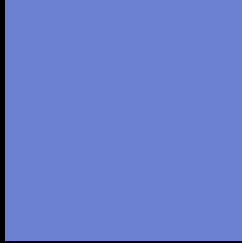
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7898, 23.6049, 64.1697 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 25.7898, 23.6049, 64.1697

Background



This preview shows how black text looks on a background with the XYZ color 25.7898, 23.6049, 64.1697.

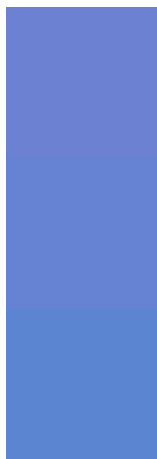


This preview shows how white text looks on a background with the XYZ color 25.7898, 23.6049,

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

25.7898, 23.6049, 64.1697

Protanopia

25.2200, 23.4932, 64.8334

Deuteranopia

24.3098, 23.6538, 63.6060



Tritanopia

19.6060, 23.5921, 33.2261

Trichromacy



Original Color

25.7898, 23.6049, 64.1697

Protanomaly

25.5662, 23.6717, 64.8496

Deuteranomaly

24.7969, 23.7026, 63.5897

Tritanomaly

21.5255, 23.5051, 42.9376

Monochromacy



Original Color

25.7898, 23.6049, 64.1697

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.7736, 23.0558, 36.5076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7898, 23.6049, 64.1697 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(109, 129, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 129, 210)  
}
```

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(109, 129, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 129, 210) }
```

Border

The CSS property to change the border of an element to XYZ 25.7898, 23.6049, 64.1697 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(109, 129, 210) }
```


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

```
.border{ border-color:rgb(109, 129, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 129, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 129, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 129, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 129,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7898, 23.6049, 64.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 129, 210) }
```

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

```
.background{ background-color: rgb(109,  
129, 210) }
```

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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