

Converting Colors

XYZ(25.9185, 20.1443, 65.0074)

Have a look what the booklet for
XYZ(25.9185, 20.1443, 65.0074)
contains.

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Color

**XYZ(25.8098, 20.0507,
64.7972)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6DD4
RGB	125, 109, 212
RGB Percent	49%, 43%, 83%
CMY	0.5098, 0.5725, 0.1686
CMYK	0.41, 0.49, 0.00, 0.17
HSL	249°, 54%, 63%
HSV	249°, 49%, 83%
XYZ	25.8098, 20.0507, 64.7972
YIQ	125.5260, -23.5270, 35.4250

Conversions

Conversions Part 2

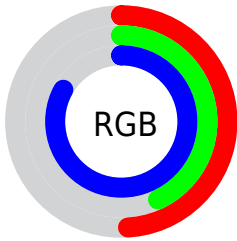
Format	Color
R _Y B	125, 109, 212
Decimal	8220116
CIE Lab	51.89, 31.13, -51.17
CIE LCh	52, 59.895, 301.318
Yxy	20.0507, 0.2332, 0.1812
Android (android.graphics.Color)	4286410196 (0xFF7D6DD4)
YUV	125.5260, 42.6317, -0.4613
Hunter-Lab	44.7780, 24.5249, -54.4526

Details

The XYZ color **25.8098, 20.0507, 64.7972** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.0684, 59.9269, 23.4493**, and the grayscale version is **19.5373, 20.5547, 22.3841**.

A 20% lighter version of the original color is **49.8509, 42.5335, 100.1901**, and **10.2088, 7.0370, 32.7185** is the 20% darker color. If you saturate the color by 10%, you get **21.4324, 14.8323, 64.0211**, and if you desaturate by 10%, it is **31.2054, 26.6041, 65.7782**.

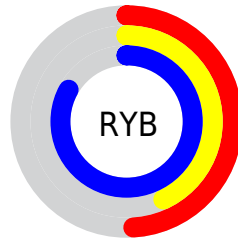
Distribution



Red (49%)

Green (43%)

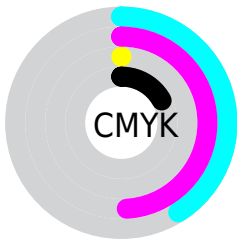
Blue (83%)



Red (49%)

Yellow (43%)

Blue (83%)

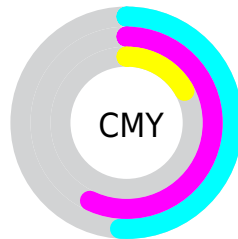


Cyan (41%)

Magenta (49%)

Yellow (0%)

Black (17%)



Cyan (51%)

Magenta (57%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8098, 20.0507, 64.7972 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 25.8098, 20.0507, 64.7972 by changing the saturation by 10% instead.

■ 25.8098, 20.0507,
64.7972

■ 25.8098, 20.0507,
64.7972

274.1210,
252.1895, 460.3491

■ 16.8133, 12.4319,
46.8464

■ 52.4014, 43.5022,
113.3687

■ 10.1960, 7.0385,
32.5607

■ 70.7273, 60.1036,
144.8265

■ 5.5923, 3.4862,
21.5218

■ 92.8937, 80.4681,
181.6236

■ 2.6371, 1.3905,
13.3110

■ 119.2660,
104.9800, 224.1787

■ 0.9649, 0.2097,
7.5098

150.2095,
134.0237, 272.9103

■ 0.0000, 0.0000,
3.6997

186.0896,

■ 0.0000, 0.0000,

167.9835, 328.2368

1.4621

227.2717,
207.2440, 390.5769

■ 0.0000, 0.0000,
0.1894

■ 0.0000, 0.0000,
0.0000

■ 25.8098, 20.0507,
64.7972

■ 25.8098, 20.0507,
64.7972

■ 21.4324, 14.8323,
64.0211

■ 31.2054, 26.6041,
65.7782

■ 18.0055, 10.8539,
63.4338

■ 37.6762, 34.5743,
66.9755

■ 15.4570, 8.0115,
63.0194

■ 45.2775, 44.0388,
68.4017

■ 13.7028, 6.1823,
62.7588

■ 54.0604, 55.0692,
70.0679

■ 12.6256, 5.1843,
62.6230

■ 64.0728, 67.7322,
71.9844

■ 12.5090, 5.0758,
62.6082

■ 75.3597, 82.0906,
74.1609

■ 87.1929, 96.6618,
76.3498

■ 88.8837, 97.5335,
76.4289

Harmonies

Analogous

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



19.3281, 20.0507, 75.3937



25.8098, 20.0507, 64.7972



31.2766, 20.0507, 42.1881

Triad

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



25.8098, 20.0507, 64.7972



25.2432, 20.0507, 3.6545



9.5898, 20.0507, 22.6120

Complementary

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



25.8098, 20.0507, 64.7972



49.0684, 59.9269, 23.4493

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.



10.5250, 20.0507, 9.3746



25.8098, 20.0507, 64.7972



18.7896, 20.0507, 2.5446

Square

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



25.8098, 20.0507, 64.7972



30.9034, 20.0507, 8.6348



13.5995, 20.0507, 3.8938



10.7073, 20.0507, 44.2943

Rectangle

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



25.8098, 20.0507, 64.7972



33.1228, 20.0507, 27.2908



13.5995, 20.0507, 3.8938



9.6729, 20.0507, 17.1541

Sweetspot

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



25.8106, 20.0514, 64.7977



73.1353, 72.3562, 104.7192



38.0550, 47.7336, 69.4955



15.0677, 14.7525, 22.3033



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.



25.8106, 20.0514, 64.7977



32.5362, 22.5083, 97.2374



35.2459, 24.9155, 65.2393



11.9205, 12.1004, 15.6449



7.7764, 3.1614, 38.6535



0.5268, 0.2205, 2.3341

Inverse Universe

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



42.5839, 28.9202, 55.5610



61.0766, 37.6236, 80.4025



37.9901, 54.2158, 22.9308



12.8663, 12.5980, 15.2359



21.8193, 10.6641, 27.4164



1.3389, 0.6524, 1.7741

Previews

White Background



This preview shows how the XYZ color 25.8098, 20.0507, 64.7972 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 25.8098, 20.0507, 64.7972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

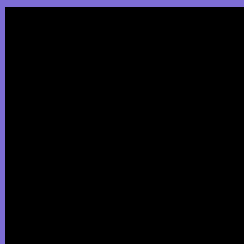
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.8098, 20.0507, 64.7972

Background



This preview shows how black text looks on a background with the XYZ color 25.8098, 20.0507, 64.7972.



This preview shows how white text looks on a background with the XYZ color 25.8098, 20.0507,

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

25.8098, 20.0507, 64.7972

Protanopia

22.8598, 20.2165, 72.5094

Deuteranopia

20.9566, 20.3607, 63.1471



Tritanopia

18.1681, 20.1107, 26.5911

Trichromacy



Original Color

25.8098, 20.0507, 64.7972

Protanomaly

23.5458, 19.9324, 69.6242

Deuteranomaly

22.0674, 19.8252, 63.6363

Tritanomaly

20.3567, 19.6907, 37.8497

Monochromacy



Original Color

25.8098, 20.0507, 64.7972

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.4065, 20.3029, 34.6889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8098, 20.0507, 64.7972 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(125, 109, 212)` looks like.

```
.text, #text, p{  
    color:rgb(125, 109, 212)  
}
```

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(125, 109, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 109, 212) }
```

Border

The CSS property to change the border of an element to XYZ 25.8098, 20.0507, 64.7972 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(125, 109, 212) }
```


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

```
.border{ border-color:rgb(125, 109, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 109, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 109, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 109, 212);  
box-shadow:4px 4px 4px 4px rgb(125, 109,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8098, 20.0507, 64.7972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 109, 212) }
```

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

```
.background{ background-color: rgb(125,  
109, 212) }
```

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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