

Converting Colors

XYZ(25.3960, 20.2765, 66.8652)

Have a look what the booklet for
XYZ(25.3960, 20.2765, 66.8652)
contains.

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Color

**XYZ(25.3960, 20.2765,
66.8652)**

Conversions

Conversions Part 1

Format	Color
Hex	7570D7
RGB	117, 112, 215
RGB Percent	46%, 44%, 84%
CMY	0.5412, 0.5608, 0.1569
CMYK	0.46, 0.48, 0.00, 0.16
HSL	243°, 56%, 64%
HSV	243°, 48%, 84%
XYZ	25.3960, 20.2765, 66.8652
YIQ	125.2370, -30.0830, 33.0930

Conversions

Conversions Part 2

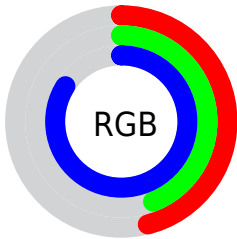
Format	Color
R _Y B	117, 112, 215
Decimal	7696599
CIE Lab	52.15, 28.30, -52.50
CIE LCh	52, 59.642, 298.325
Yxy	20.2765, 0.2257, 0.1802
Android (android.graphics.Color)	4285886679 (0xFF7570D7)
YUV	125.2370, 44.2532, -7.2238
Hunter-Lab	45.0294, 21.8701, -56.5204

Details

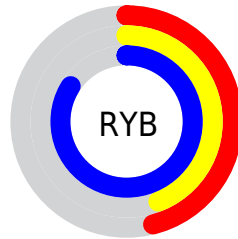
The XYZ color **25.3960, 20.2765, 66.8652** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **53.8030, 63.4724, 24.7453**, and the grayscale version is **19.4363, 20.4485, 22.2684**.

A 20% lighter version of the original color is **48.7810, 42.7696, 100.2921**, and **9.8950, 7.0998, 33.6498** is the 20% darker color. If you saturate the color by 10%, you get **20.8462, 14.8202, 66.0522**, and if you desaturate by 10%, it is **31.1143, 27.1764, 67.8960**.

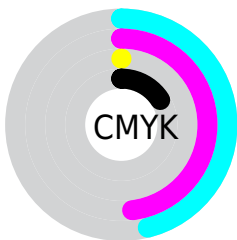
Distribution



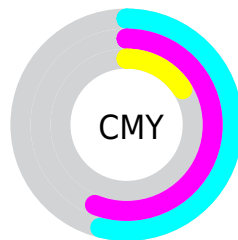
- Red (46%)
- Green (44%)
- Blue (84%)



- Red (46%)
- Yellow (44%)
- Blue (84%)



- Cyan (46%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)



- Cyan (54%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3960, 20.2765, 66.8652 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 25.3960, 20.2765, 66.8652 by changing the saturation by 10% instead.

■ 25.3960, 20.2765,
66.8652

■ 25.3960, 20.2765,
66.8652

272.1157,
253.4081, 467.9532

■ 16.5026, 12.5962,
48.5142

■ 51.7372, 43.8803,
116.3660

■ 9.9736, 7.1511,
33.8714

■ 69.9158, 60.5725,
148.3530

■ 5.4436, 3.5568,
22.5182

■ 91.9201, 81.0376,
185.7222

■ 2.5472, 1.4289,
14.0362

■ 118.1155,
105.6597, 228.8924

■ 0.9191, 0.2378,
8.0068

148.8675,
134.8235, 278.2821

■ 0.0000, 0.0000,
4.0115

184.5413,

■ 0.0000, 0.0000,

168.9132, 334.3098

1.6316

225.5022,
208.3133, 397.3939

■ 0.0000, 0.0000,
0.3133

■ 0.0000, 0.0000,
0.0000

■ 25.3960, 20.2765,
66.8652

■ 25.3960, 20.2765,
66.8652

■ 20.8462, 14.8202,
66.0522

■ 31.1143, 27.1764,
67.8960

■ 17.3819, 10.7030,
65.4401

■ 38.0714, 35.6101,
69.1572

■ 14.9132, 7.8100,
65.0118

■ 46.3352, 45.6631,
70.6621

■ 13.3345, 6.0057,
64.7468

■ 55.9677, 57.4138,
72.4225

■ 12.5072, 5.1033,
64.6162

■ 67.0271, 70.9356,
74.4496

■ 12.3966, 4.9737,
64.5970

■ 79.5682, 86.2976,
76.7538

■ 89.2658, 97.6863,
78.4409

Harmonies

Analogous

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



18.9312, 20.2765, 75.6179



25.3960, 20.2765, 66.8652



31.0885, 20.2765, 44.8547

Triad

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



25.3960, 20.2765, 66.8652



26.1169, 20.2765, 4.0459



9.7585, 20.2765, 21.1097

Complementary

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



25.3960, 20.2765, 66.8652



53.8030, 63.4724, 24.7453

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.



10.9086, 20.2765, 8.7114



25.3960, 20.2765, 66.8652



19.6173, 20.2765, 2.6392

Square

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



25.3960, 20.2765, 66.8652



31.5627, 20.2765, 9.6592



14.2216, 20.2765, 3.7372



10.6755, 20.2765, 42.1800

Rectangle

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



25.3960, 20.2765, 66.8652



33.2059, 20.2765, 29.6034



14.2216, 20.2765, 3.7372



9.9104, 20.2765, 15.9494

Sweetspot

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



25.3968, 20.2772, 66.8657



73.2890, 73.4172, 104.9159



42.3835, 55.2221, 72.7155



15.0482, 14.9356, 22.3397



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.



25.3968, 20.2772, 66.8657



30.8854, 22.0583, 97.2376



33.9826, 24.7033, 67.2675



11.7979, 12.0372, 15.6391



7.4403, 2.9881, 38.6378



0.4689, 0.1906, 2.3314

Inverse Universe

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



45.4514, 30.6888, 64.4992



63.7122, 39.1101, 92.9492



41.7360, 57.2516, 24.1806



12.9258, 12.6218, 15.5493



23.3327, 11.2694, 35.3854



1.4155, 0.6830, 2.1775

Previews

White Background



This preview shows how the XYZ color 25.3960, 20.2765, 66.8652 looks on a white background.

Color Contrast Check

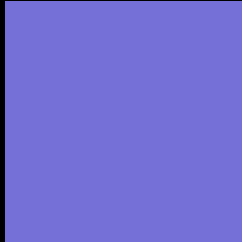
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3960, 20.2765, 66.8652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

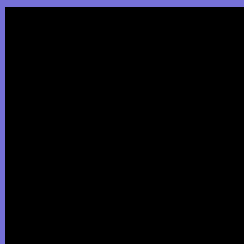
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.3960, 20.2765, 66.8652

Background



This preview shows how black text looks on a background with the XYZ color 25.3960, 20.2765, 66.8652.



This preview shows how white text looks on a background with the XYZ color 25.3960, 20.2765,

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

25.3960, 20.2765, 66.8652

Protanopia

23.1160, 20.5124, 73.2620

Deuteranopia

21.0209, 20.3505, 65.1075



Tritanopia

17.6460, 20.4001, 27.8185

Trichromacy



Original Color

25.3960, 20.2765, 66.8652

Protanomaly

23.7460, 20.3510, 71.0832

Deuteranomaly

22.0350, 19.9425, 65.6387

Tritanomaly

19.7669, 19.8990, 39.3583

Monochromacy



Original Color

25.3960, 20.2765, 66.8652

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.9141, 20.0391, 35.1134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3960, 20.2765, 66.8652 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(117, 112, 215)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 215)  
}
```

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(117, 112, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 215) }
```

Border

The CSS property to change the border of an element to XYZ 25.3960, 20.2765, 66.8652 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(117, 112, 215) }
```


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

```
.border{ border-color:rgb(117, 112, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 215);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3960, 20.2765, 66.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 215) }
```

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

```
.background{ background-color: rgb(117,  
112, 215) }
```

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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