

Converting Colors

XYZ(25.8758, 18.4187, 68.7200)

Have a look what the booklet for
XYZ(25.8758, 18.4187, 68.7200)
contains.

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Color

**XYZ(25.7750, 18.3093,
68.5052)**

Conversions

Conversions Part 1

Format	Color
Hex	7F62DA
RGB	127, 98, 218
RGB Percent	50%, 38%, 85%
CMY	0.5019, 0.6157, 0.1451
CMYK	0.42, 0.55, 0.00, 0.15
HSL	255°, 62%, 62%
HSV	255°, 55%, 85%
XYZ	25.7750, 18.3093, 68.5052
YIQ	120.3510, -21.2360, 43.4680

Conversions

Conversions Part 2

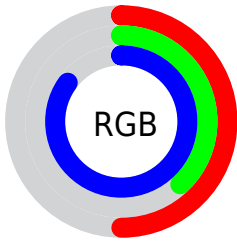
Format	Color
R_{YB}	127, 98, 218
Decimal	8348378
CIE _{Lab}	49.87, 39.72, -57.81
CIE _{LCh}	50, 70.138, 304.491
Yxy	18.3093, 0.2289, 0.1626
Android (android.graphics.Color)	4286538458 (0xFF7F62DA)
YUV	120.3510, 48.1410, 5.8312
Hunter-Lab	42.7894, 32.6415, -64.9699

Details

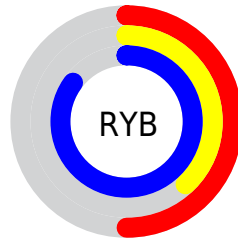
The XYZ color **25.7750, 18.3093, 68.5052** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **48.2617, 61.8434, 20.9488**, and the grayscale version is **17.8211, 18.7491, 20.4178**.

A 20% lighter version of the original color is **48.7235, 39.2230, 99.6105**, and **10.1880, 6.1919, 34.8406** is the 20% darker color. If you saturate the color by 10%, you get **21.7428, 13.6041, 67.8099**, and if you desaturate by 10%, it is **30.7682, 24.3347, 69.4054**.

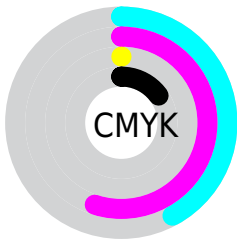
Distribution



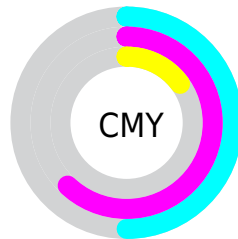
- Red (50%)
- Green (38%)
- Blue (85%)



- Red (50%)
- Yellow (38%)
- Blue (85%)



- Cyan (42%)
- Magenta (55%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (62%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7750, 18.3093, 68.5052 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 25.7750, 18.3093, 68.5052 by changing the saturation by 10% instead.

■ 25.7750, 18.3093,
68.5052

■ 25.7750, 18.3093,
68.5052

273.9528,
242.6087, 473.9305

■ 16.7872, 11.1723,
49.8396

■ 52.3456, 40.5637,
118.7356

■ 10.1772, 6.1828,
34.9157

■ 70.6592, 56.4498,
151.1375

■ 5.5798, 2.9566,
23.3149

■ 92.8120, 76.0211,
188.9552

■ 2.6295, 1.1091,
14.6187

■ 119.1695, 99.6619,
232.6074

■ 0.9610, 0.0000,
8.4086

150.0969,
127.7567, 282.5124

■ 0.0000, 0.0000,
4.2660

185.9597,

■ 0.0000, 0.0000,

160.6898, 339.0889

1.7724

227.1232,
198.8457, 402.7554

■ 0.0000, 0.0000,
0.4096

■ 0.0000, 0.0000,
0.0000

■ 25.7750, 18.3093,
68.5052

■ 25.7750, 18.3093,
68.5052

■ 21.7428, 13.6041,
67.8099

■ 30.7682, 24.3347,
69.4054

■ 18.6031, 10.1144,
67.3018

■ 36.7793, 31.7700,
70.5238

■ 16.2817, 7.7226,
66.9625

■ 43.8635, 40.6990,
71.8739

■ 14.6895, 6.2851,
66.7689

■ 52.0712, 51.1986,
73.4679

■ 14.1069, 5.8105,
66.7080

■ 61.4497, 63.3400,
75.3171

■ 72.0432, 77.1904,
77.4322

■ 83.8940, 92.8128,
79.8230

■ 89.6550, 97.8420,
80.4901

Harmonies

Analogous

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



18.4319, 18.3093, 84.0831



25.7750, 18.3093, 68.5052



31.8303, 18.3093, 40.4484

Triad

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



25.7750, 18.3093, 68.5052



23.5685, 18.3093, 1.7287



7.4515, 18.3093, 22.9699

Complementary

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



25.7750, 18.3093, 68.5052



48.2617, 61.8434, 20.9488

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.



8.1649, 18.3093, 7.8845



25.7750, 18.3093, 68.5052



16.4120, 18.3093, 1.1315

Square

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



25.7750, 18.3093, 68.5052



30.3437, 18.3093, 5.4818



11.0732, 18.3093, 2.3594



8.7899, 18.3093, 49.0193

Rectangle

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



25.7750, 18.3093, 68.5052



33.6553, 18.3093, 23.6962



11.0732, 18.3093, 2.3594



7.4629, 18.3093, 16.5957

Sweetspot

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



25.7758, 18.3099, 68.5057



71.6694, 69.6819, 104.2803



36.1057, 44.4859, 73.0137



14.8190, 14.2465, 22.2188



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.



25.7758, 18.3099, 68.5057



30.2427, 18.5290, 96.5902



37.2726, 24.2367, 69.0437



12.6319, 12.7684, 16.4509



8.5328, 3.5230, 39.9687



0.6304, 0.2683, 2.5930

Inverse Universe

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



42.4664, 27.3151, 51.1765



56.8028, 32.8994, 67.1908



36.4823, 55.7708, 20.3976



13.4728, 13.2182, 15.7511



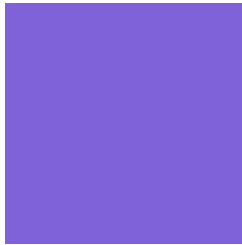
21.4522, 10.5819, 22.5590



1.4227, 0.6987, 1.6349

Previews

White Background



This preview shows how the XYZ color 25.7750, 18.3093, 68.5052 looks on a white background.

Color Contrast Check

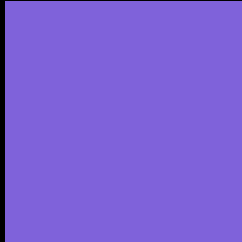
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.7750, 18.3093, 68.5052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

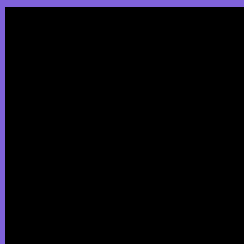
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.7750, 18.3093, 68.5052

Background



This preview shows how black text looks on a background with the XYZ color 25.7750, 18.3093, 68.5052.



This preview shows how white text looks on a background with the XYZ color 25.7750, 18.3093,

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

25.7750, 18.3093, 68.5052

Protanopia

21.8494, 18.4641, 81.0096

Deuteranopia

19.1162, 18.6173, 65.5368



Tritanopia

16.8105, 18.3506, 23.7751

Trichromacy



Original Color

25.7750, 18.3093, 68.5052

Protanomaly

22.1040, 17.7219, 76.3844

Deuteranomaly

19.9158, 17.6161, 66.6405

Tritanomaly

19.3661, 17.9963, 36.6353

Monochromacy



Original Color

25.7750, 18.3093, 68.5052

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.9633, 18.1996, 33.9132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7750, 18.3093, 68.5052 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(127, 98, 218)` looks like.

```
.text, #text, p{  
    color:rgb(127, 98, 218)  
}
```

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(127, 98, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 98, 218) }
```

Border

The CSS property to change the border of an element to XYZ 25.7750, 18.3093, 68.5052 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(127, 98, 218) }
```


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

```
.border{ border-color:rgb(127, 98, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 98, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 98, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 98, 218);  
box-shadow:4px 4px 4px 4px rgb(127, 98,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7750, 18.3093, 68.5052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 98, 218) }
```

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

```
.background{ background-color: rgb(127, 98,  
218) }
```

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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