

Converting Colors

XYZ(25.7886, 17.8147, 82.0366)

Have a look what the booklet for
XYZ(25.7886, 17.8147, 82.0366)
contains.

XYZ(25.8674, 17.9150, 82.2153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8674, 17.9150,
82.2153)**

Conversions

Conversions Part 1

Format	Color
Hex	6D61ED
RGB	109, 97, 237
RGB Percent	43%, 38%, 93%
CMY	0.5725, 0.6196, 0.0706
CMYK	0.54, 0.59, 0.00, 0.07
HSL	245°, 80%, 65%
HSV	245°, 59%, 93%
XYZ	25.8674, 17.9150, 82.2153
YIQ	116.5480, -37.7880, 46.0840

Conversions

Conversions Part 2

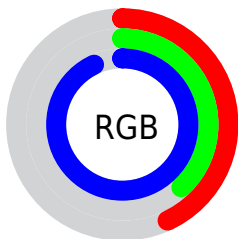
Format	Color
R _Y B	109, 97, 237
Decimal	7168493
CIE Lab	49.39, 42.16, -69.38
CIE LCh	49, 81.179, 301.285
Yxy	17.9150, 0.2053, 0.1422
Android (android.graphics.Color)	4285358573 (0xFF6D61ED)
YUV	116.5480, 59.3828, -6.6196
Hunter-Lab	42.3261, 35.0187, -85.5381

Details

The XYZ color **25.8674, 17.9150, 82.2153** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **63.4918, 77.4385, 22.9101**, and the grayscale version is **16.6009, 17.4654, 19.0199**.

A 20% lighter version of the original color is **45.0021, 36.8348, 99.3457**, and **10.2539, 6.0276, 43.8030** is the 20% darker color. If you saturate the color by 10%, you get **21.6506, 12.9617, 81.4819**, and if you desaturate by 10%, it is **31.3968, 24.5158, 83.1984**.

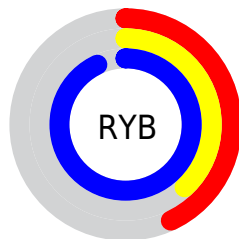
Distribution



Red (43%)

Green (38%)

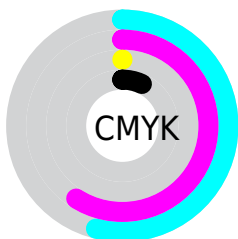
Blue (93%)



Red (43%)

Yellow (38%)

Blue (93%)

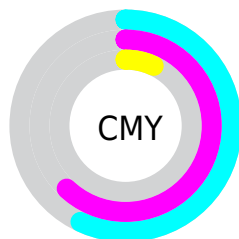


Cyan (54%)

Magenta (59%)

Yellow (0%)

Black (7%)



Cyan (57%)

Magenta (62%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8674, 17.9150, 82.2153 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 25.8674, 17.9150, 82.2153 by changing the saturation by 10% instead.

■ 25.8674, 17.9150,
82.2153

■ 25.8674, 17.9150,
82.2153

274.3992,
240.3915, 522.2699

■ 16.8566, 10.8890,
61.0062

■ 52.4938, 39.8924,
138.3153

■ 10.2270, 5.9922,
43.7996

■ 70.8401, 55.6126,
174.0432

■ 5.6131, 2.8404,
30.1769

■ 93.0290, 74.9997,
215.4478

■ 2.6497, 1.0490,
19.7197

■ 119.4258, 98.4380,
262.9476

■ 0.9714, 0.0000,
12.0094

150.3958,
126.3119, 316.9612

■ 0.0000, 0.0000,
6.6275

186.3045,

■ 0.0000, 0.0000,

159.0059, 377.9071

3.1553

227.5172,
196.9043, 446.2038

■ 0.0000, 0.0000,
1.1745

■ 0.0000, 0.0000,
0.0000

■ 25.8674, 17.9150,
82.2153

■ 25.8674, 17.9150,
82.2153

■ 21.6506, 12.9617,
81.4819

■ 31.3968, 24.5158,
83.1984

■ 18.6344, 9.5085,
80.9743

■ 38.3331, 32.8909,
84.4494

■ 16.6922, 7.3844,
80.6667

■ 46.7649, 43.1566,
85.9864

■ 15.6483, 6.3366,
80.5195

■ 56.7730, 55.4187,
87.8258

■ 15.5813, 6.2666,
80.5095

■ 68.4320, 69.7753,
89.9824

■ 81.8121, 86.3179,
92.4702

■ 92.2861, 98.8945,
94.3457

Harmonies

Analogous

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



17.3598, 17.9150, 99.2288



25.8674, 17.9150, 82.2153



33.4642, 17.9150, 47.5603

Triad

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



25.8674, 17.9150, 82.2153



25.1193, 17.9150, 0.9763



6.1477, 17.9150, 20.4669

Complementary

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



25.8674, 17.9150, 82.2153



63.4918, 77.4385, 22.9101

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.



7.1094, 17.9150, 5.4582



25.8674, 17.9150, 82.2153



16.6998, 17.9150, 0.2797

Square

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



25.8674, 17.9150, 82.2153



32.9491, 17.9150, 4.7874



10.4733, 17.9150, 1.1104



7.2954, 17.9150, 50.5880

Rectangle

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



25.8674, 17.9150, 82.2153



36.1029, 17.9150, 26.6121



10.4733, 17.9150, 1.1104



6.2324, 17.9150, 13.7935

Sweetspot

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



25.8683, 17.9155, 82.2158



68.3261, 67.0215, 103.9430



47.2315, 62.6870, 89.7316



13.8311, 13.3709, 22.1018



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.



25.8683, 17.9155, 82.2158



24.6611, 14.2583, 96.0601



38.0744, 24.2080, 82.7870



14.3509, 14.6107, 18.9860



8.5513, 3.4443, 43.9571



0.7128, 0.2918, 3.4536

Inverse Universe

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



52.7899, 31.9901, 74.6229



59.3356, 32.4110, 85.1578



46.0238, 68.4334, 22.0926



15.6559, 15.2902, 18.7390



25.9071, 12.5655, 36.9080



2.0508, 0.9933, 2.9847

Previews

White Background



This preview shows how the XYZ color 25.8674, 17.9150, 82.2153 looks on a white background.

Color Contrast Check

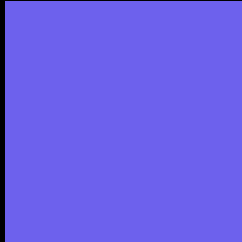
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8674, 17.9150, 82.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

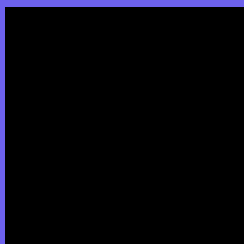
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.8674, 17.9150, 82.2153

Background



This preview shows how black text looks on a background with the XYZ color 25.8674, 17.9150, 82.2153.



This preview shows how white text looks on a background with the XYZ color 25.8674, 17.9150,

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

25.8674, 17.9150, 82.2153

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.1016, 17.9870, 62.1923



Tritanopia

14.5308, 17.8723, 25.6055

Trichromacy



Original Color

25.8674, 17.9150, 82.2153



Protanomaly

21.5654, 17.1396, 83.0606



Deuteranomaly

19.4554, 17.1539, 69.3035



Tritanomaly

17.5076, 17.2663, 41.4397

Monochromacy



Original Color

25.8674, 17.9150, 82.2153



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

18.9484, 17.3025, 36.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8674, 17.9150, 82.2153 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, 97, 237)` looks like.

```
.text, #text, p{  
    color:rgb(109, 97, 237)  
}
```

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, 97, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 97, 237) }
```

Border

The CSS property to change the border of an element to XYZ 25.8674, 17.9150, 82.2153 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, 97, 237) }
```


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

```
.border{ border-color:rgb(109, 97, 237) }
```

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

Here you see how a box with a 4 pixel rgb(109, 97, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 97, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 97, 237);  
box-shadow:4px 4px 4px 4px rgb(109, 97,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8674, 17.9150, 82.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 97, 237) }
```

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

```
.background{ background-color: rgb(109, 97,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor