

Converting Colors

XYZ(25.8665, 16.4087, 76.5823)

Have a look what the booklet for
XYZ(25.8665, 16.4087, 76.5823)
contains.

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Color

**XYZ(25.9107, 16.4138,
76.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	7D54E6
RGB	125, 84, 230
RGB Percent	49%, 33%, 90%
CMY	0.5098, 0.6706, 0.0980
CMYK	0.46, 0.63, 0.00, 0.10
HSL	257°, 74%, 62%
HSV	257°, 63%, 90%
XYZ	25.9107, 16.4138, 76.6654
YIQ	112.9030, -22.4300, 54.0980

Conversions

Conversions Part 2

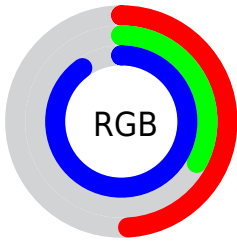
Format	Color
R _Y B	125, 84, 230
Decimal	8213734
CIE Lab	47.51, 50.44, -68.42
CIE LCh	48, 85.006, 306.398
Yxy	16.4138, 0.2178, 0.1379
Android (android.graphics.Color)	4286403814 (0xFF7D54E6)
YUV	112.9030, 57.7288, 10.6091
Hunter-Lab	40.5139, 43.2603, -83.8360

Details

The XYZ color **25.9107, 16.4138, 76.6654** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **50.8826, 68.0524, 18.8413**, and the grayscale version is **15.5073, 16.3149, 17.7669**.

A 20% lighter version of the original color is **46.6213, 35.0187, 98.9098**, and **10.2292, 5.2512, 40.0096** is the 20% darker color. If you saturate the color by 10%, you get **22.1927, 12.2681, 76.0615**, and if you desaturate by 10%, it is **30.6182, 21.9394, 77.4842**.

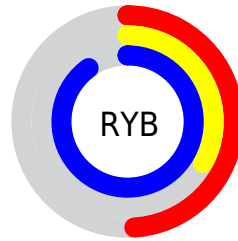
Distribution



Red (49%)

Green (33%)

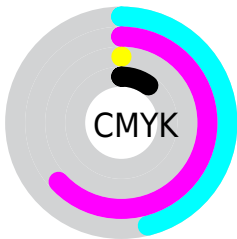
Blue (90%)



Red (49%)

Yellow (33%)

Blue (90%)

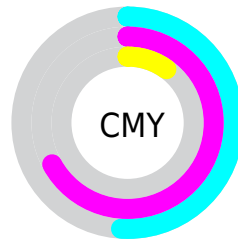


Cyan (46%)

Magenta (63%)

Yellow (0%)

Black (10%)



Cyan (51%)

Magenta (67%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9107, 16.4138, 76.6654 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 25.9107, 16.4138, 76.6654 by changing the saturation by 10% instead.

■ 25.9107, 16.4138,
76.6654

■ 25.9107, 16.4138,
76.6654

274.6082,
231.7712, 503.0298

■ 16.8892, 9.8174,
56.4684

■ 52.5632, 37.3151,
130.4357

■ 10.2503, 5.2781,
40.1721

■ 70.9248, 52.3888,
164.8461

■ 5.6288, 2.4113,
27.3579

■ 93.1306, 71.0572,
204.8314

■ 2.6592, 0.8317,
17.6074

■ 119.5458, 93.7044,
250.8101

■ 0.9762, 0.0000,
10.5020

■ 150.5358,
120.7151, 303.2007

■ 0.0000, 0.0000,
5.6231

186.4660,

■ 0.0000, 0.0000,

152.4735, 362.4219

2.5522

227.7016,
189.3641, 428.8920

■ 0.0000, 0.0000,
0.8676

■ 0.0000, 0.0000,
0.0000

■ 25.9107, 16.4138,
76.6654

■ 25.9107, 16.4138,
76.6654

■ 22.1927, 12.2681,
76.0615

■ 30.6182, 21.9394,
77.4842

■ 19.3821, 9.3709,
75.6504

■ 36.3832, 28.9565,
78.5348

■ 17.3855, 7.5662,
75.4073

■ 43.2698, 37.5668,
79.8338

■ 16.4363, 6.8233,
75.3140

■ 51.3363, 47.8623,
81.3959

60.6368, 59.9280,
83.2346

71.2219, 73.8432,
85.3626

83.1391, 89.6822,
87.7917

91.2830, 98.4932,
89.0632

Harmonies

Analogous

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



17.2768, 16.4138, 99.3455



25.9107, 16.4138, 76.6654



33.0662, 16.4138, 40.2522

Triad

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



25.9107, 16.4138, 76.6654



22.1729, 16.4138, 0.2813



5.1568, 16.4138, 22.9221

Complementary

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



25.9107, 16.4138, 76.6654



50.8826, 68.0524, 18.8413

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.



5.7137, 16.4138, 5.8504



25.9107, 16.4138, 76.6654



14.0369, 16.4138, 0.0000

Square

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



25.9107, 16.4138, 76.6654



30.4656, 16.4138, 2.8044



8.4687, 16.4138, 0.9435



6.5833, 16.4138, 55.6914

Rectangle

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



25.9107, 16.4138, 76.6654



35.0637, 16.4138, 20.6166



8.4687, 16.4138, 0.9435



5.1273, 16.4138, 15.3821

Sweetspot

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



25.9115, 16.4143, 76.6658



69.8167, 66.8681, 103.8348



36.5847, 44.8890, 81.5995



14.2403, 13.4029, 22.0864



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.



25.9115, 16.4143, 76.6658



26.8826, 14.2665, 95.9446



40.2011, 23.7809, 77.3346



13.9610, 14.0821, 18.1266



9.4081, 3.9159, 42.6432



0.7837, 0.3350, 3.1553

Inverse Universe

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



44.9886, 26.8378, 50.9512



53.4117, 28.8158, 57.7413



37.3776, 61.0903, 18.2093



14.8134, 14.5426, 17.2178



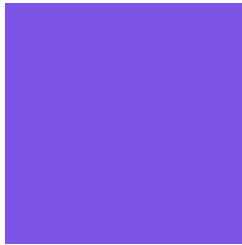
22.3956, 11.0925, 21.5101



1.6941, 0.8354, 1.7957

Previews

White Background



This preview shows how the XYZ color 25.9107, 16.4138, 76.6654 looks on a white background.

Color Contrast Check

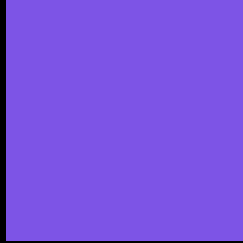
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9107, 16.4138, 76.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

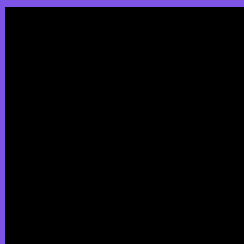
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.9107, 16.4138, 76.6654

Background



This preview shows how black text looks on a background with the XYZ color 25.9107, 16.4138, 76.6654.



This preview shows how white text looks on a background with the XYZ color 25.9107, 16.4138,

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

25.9107, 16.4138, 76.6654

Protanopia

19.6455, 16.4383, 77.0004

Tritanopia

14.8058, 16.3134, 21.4372

Trichromacy



Original Color

25.9107, 16.4138, 76.6654



Protanomaly

19.8270, 15.1947, 76.7508



Tritanomaly

17.7455, 15.7331, 36.7518

Monochromacy



Original Color

25.9107, 16.4138, 76.6654



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

18.0882, 15.6850, 33.5266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9107, 16.4138, 76.6654 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, 84, 230)` looks like.

```
.text, #text, p{  
    color:rgb(125, 84, 230)  
}
```

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, 84, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 84, 230) }
```

Border

The CSS property to change the border of an element to XYZ 25.9107, 16.4138, 76.6654 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, 84, 230) }
```

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

```
.border{ border-color:rgb(125, 84, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 84, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 84, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 84, 230);  
box-shadow:4px 4px 4px 4px rgb(125, 84,  
230) }
```


Background

The CSS property to change the background color of an element to XYZ 25.9107, 16.4138, 76.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 84, 230) }
```

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

```
.background{ background-color: rgb(125, 84,  
230) }
```

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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