

Converting Colors

XYZ(25.0203, 14.4079, 80.7693)

Have a look what the booklet for
XYZ(25.0203, 14.4079, 80.7693)
contains.

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Color

**XYZ(25.0762, 14.4295,
80.8204)**

Conversions

Conversions Part 1

Format	Color
Hex	7846EC
RGB	120, 70, 236
RGB Percent	47%, 27%, 93%
CMY	0.5294, 0.7255, 0.0745
CMYK	0.49, 0.70, 0.00, 0.07
HSL	258°, 81%, 60%
HSV	258°, 70%, 93%
XYZ	25.0762, 14.4295, 80.8204
YIQ	103.8740, -23.4860, 62.2260

Conversions

Conversions Part 2

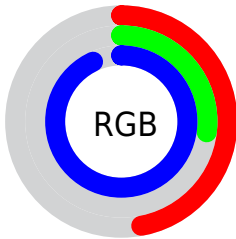
Format	Color
RYB	120, 70, 236
Decimal	7882476
CIELab	44.84, 58.43, -76.18
CIELCh	45, 96.012, 307.487
Yxy	14.4295, 0.2084, 0.1199
Android (android.graphics.Color)	4286072556 (0xFF7846EC)
YUV	103.8740, 65.1381, 14.1425
Hunter-Lab	37.9862, 51.3592, -99.5566

Details

The XYZ color **25.0762, 14.4295, 80.8204** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **51.3496, 70.8719, 16.7676**, and the grayscale version is **12.9612, 13.6362, 14.8498**.

A 20% lighter version of the original color is **44.0656, 30.9628, 98.2617**, and **9.8288, 4.3806, 42.9753** is the 20% darker color. If you saturate the color by 10%, you get **21.7858, 10.9556, 80.3237**, and if you desaturate by 10%, it is **29.3417, 19.2665, 81.5296**.

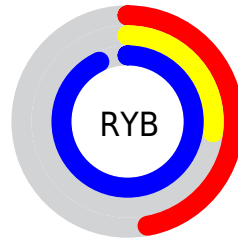
Distribution



Red (47%)

Green (27%)

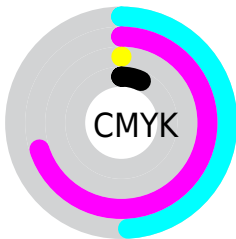
Blue (93%)



Red (47%)

Yellow (27%)

Blue (93%)

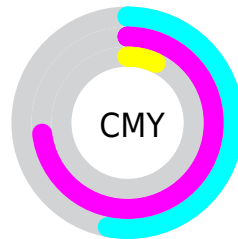


Cyan (49%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (73%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0762, 14.4295, 80.8204 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 25.0762, 14.4295, 80.8204 by changing the saturation by 10% instead.

■ 25.0762, 14.4295,
80.8204

■ 25.0762, 14.4295,
80.8204

270.5579,
219.8866, 517.4728

■ 16.2629, 8.4200,
59.8636

■ 51.2228, 33.8492,
136.3404

■ 9.8024, 4.3648,
42.8841

■ 69.2868, 48.0282,
171.7406

■ 5.3294, 1.8797,
29.4635

■ 91.1651, 65.6991,
212.7923

■ 2.4785, 0.5361,
19.1831

■ 117.2230, 87.2463,
259.9141

■ 0.8844, 0.0000,
11.6245

■ 147.8258,
113.0543, 313.5245

■ 0.0000, 0.0000,
6.3691

183.3390,

■ 0.0000, 0.0000,

143.5074, 374.0421

2.9984

224.1279,
178.9901, 441.8853

■ 0.0000, 0.0000,
1.0938

■ 0.0000, 0.0000,
0.0000

■ 25.0762, 14.4295,
80.8204

■ 25.0762, 14.4295,
80.8204

■ 21.7858, 10.9556,
80.3237

■ 29.3417, 19.2665,
81.5296

■ 19.3755, 8.6884,
80.0131

■ 34.6594, 25.5964,
82.4711

■ 17.7457, 7.3992,
79.8501

■ 41.1007, 33.5349,
83.6639

■ 48.7296, 43.1857,
85.1246

■ 57.6053, 54.6434,
86.8683

■ 67.7825, 67.9958,
88.9092

■ 79.3129, 83.3249,
91.2603

■ 91.0207, 98.2589,
93.5258

■ 92.1404, 98.8362,
93.5782

Harmonies

Analogous

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



15.7727, 14.4295, 109.0373



25.0762, 14.4295, 80.8204



32.8668, 14.4295, 38.6937

Triad

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



25.0762, 14.4295, 80.8204



20.3286, 14.4295, 0.0000



3.5452, 14.4295, 22.0297

Complementary

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



25.0762, 14.4295, 80.8204



51.3496, 70.8719, 16.7676

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.



3.9752, 14.4295, 4.3059



25.0762, 14.4295, 80.8204



11.8441, 14.4295, 0.0000

Square

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



25.0762, 14.4295, 80.8204



29.4756, 14.4295, 1.3658



6.4384, 14.4295, 0.0791



4.8983, 14.4295, 59.3046

Rectangle

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



25.0762, 14.4295, 80.8204



34.9386, 14.4295, 17.6795



6.4384, 14.4295, 0.0791



3.4992, 14.4295, 13.8948

Sweetspot

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



25.0770, 14.4299, 80.8208



67.8301, 64.0444, 103.3945



35.2673, 42.5605, 85.7135



13.8646, 12.8599, 22.0014



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.



25.0770, 14.4299, 80.8208



24.7000, 11.8150, 95.5864



41.9048, 23.1049, 81.6083



14.6578, 14.7689, 19.0004



9.8960, 4.1375, 44.0200



0.8713, 0.3735, 3.4610

Inverse Universe

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



45.6448, 25.7582, 49.0177



51.3723, 26.5706, 51.4089



36.7176, 63.3288, 16.0828



15.5103, 15.2320, 17.9726



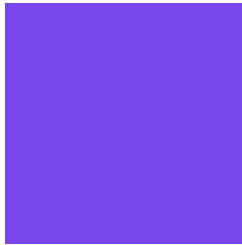
22.8668, 11.3494, 20.8975



1.8378, 0.9081, 1.8634

Previews

White Background



This preview shows how the XYZ color 25.0762, 14.4295, 80.8204 looks on a white background.

Color Contrast Check

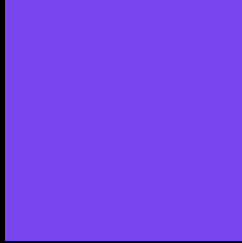
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0762, 14.4295, 80.8204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

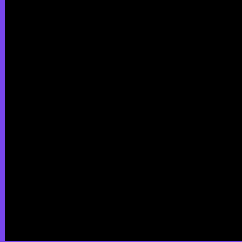
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.0762, 14.4295, 80.8204

Background



This preview shows how black text looks on a background with the XYZ color 25.0762, 14.4295, 80.8204.



This preview shows how white text looks on a background with the XYZ color 25.0762, 14.4295,

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

25.0762, 14.4295, 80.8204

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.3316, 14.4824, 48.4944



Tritanopia

12.6691, 14.2715, 19.2265

Trichromacy



Original Color

25.0762, 14.4295, 80.8204



Protanomaly

18.0142, 13.1755, 71.4057



Deuteranomaly

16.0300, 13.0795, 58.8065



Tritanomaly

15.6708, 13.4103, 35.4807

Monochromacy



Original Color

25.0762, 14.4295, 80.8204



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

15.9250, 13.2363, 31.4213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0762, 14.4295, 80.8204 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(120, 70, 236)` looks like.

```
.text, #text, p{  
    color:rgb(120, 70, 236)  
}
```

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(120, 70, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 70, 236) }
```

Border

The CSS property to change the border of an element to XYZ 25.0762, 14.4295, 80.8204 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(120, 70, 236) }
```


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

```
.border{ border-color:rgb(120, 70, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 70, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 70, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 70, 236);  
box-shadow:4px 4px 4px 4px rgb(120, 70,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0762, 14.4295, 80.8204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 70, 236) }
```

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

```
.background{ background-color: rgb(120, 70,  
236) }
```

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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