

Converting Colors

XYZ(25.5051, 15.4475, 85.6418)

Have a look what the booklet for
XYZ(25.5051, 15.4475, 85.6418)
contains.

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Color

**XYZ(25.5051, 15.4475,
85.6418)**

Conversions

Conversions Part 1

Format	Color
Hex	704FF2
RGB	112, 79, 242
RGB Percent	44%, 31%, 95%
CMY	0.5608, 0.6902, 0.0510
CMYK	0.54, 0.67, 0.00, 0.05
HSL	252°, 86%, 63%
HSV	252°, 67%, 95%
XYZ	25.5051, 15.4475, 85.6418
YIQ	107.4490, -32.6550, 57.6890

Conversions

Conversions Part 2

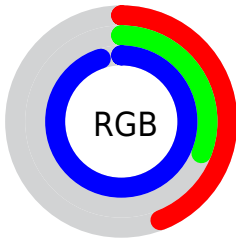
Format	Color
R _Y B	112, 79, 242
Decimal	7360498
CIE Lab	46.24, 54.22, -77.30
CIE LCh	46, 94.425, 305.046
Yxy	15.4475, 0.2015, 0.1220
Android (android.graphics.Color)	4285550578 (0xFF704FF2)
YUV	107.4490, 66.3336, 3.9912
Hunter-Lab	39.3033, 47.0532, -101.6804

Details

The XYZ color **25.5051, 15.4475, 85.6418** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **59.4562, 77.6235, 19.2462**, and the grayscale version is **13.9284, 14.6537, 15.9579**.

A 20% lighter version of the original color is **43.4882, 32.1839, 98.5278**, and **10.0714, 4.8326, 46.3009** is the 20% darker color. If you saturate the color by 10%, you get **21.8683, 11.4361, 85.0596**, and if you desaturate by 10%, it is **30.3048, 21.0009, 86.4611**.

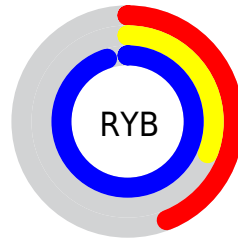
Distribution



Red (44%)

Green (31%)

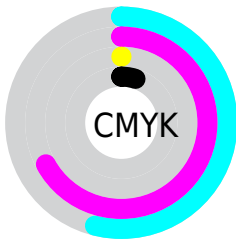
Blue (95%)



Red (44%)

Yellow (31%)

Blue (95%)

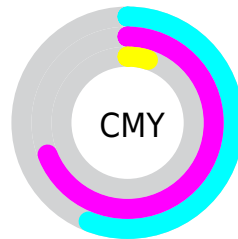


Cyan (54%)

Magenta (67%)

Yellow (0%)

Black (5%)



Cyan (56%)

Magenta (69%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5051, 15.4475, 85.6418 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 25.5051, 15.4475, 85.6418 by changing the saturation by 10% instead.

■ 25.5051, 15.4475,
85.6418

■ 25.5051, 15.4475,
85.6418

272.6456,
226.0591, 533.9492

■ 16.5845, 9.1341,
63.8186

■ 51.9125, 35.6363,
143.1516

■ 10.0322, 4.8287,
46.0585

■ 70.1300, 50.2805,
179.6754

■ 5.4827, 2.1471,
31.9430

■ 92.1771, 68.4704,
221.9364

■ 2.5708, 0.6909,
21.0535

■ 118.4193, 90.5904,
270.3532

■ 0.9311, 0.0000,
12.9715

■ 149.2219,
117.0248, 325.3443

■ 0.0000, 0.0000,
7.2784

184.9503,

■ 0.0000, 0.0000,

148.1582, 387.3283

3.5558

225.9697,
184.3748, 456.7238

■ 0.0000, 0.0000,
1.3849

■ 0.0000, 0.0000,
0.1299

■ 25.5051, 15.4475,
85.6418

■ 25.5051, 15.4475,
85.6418

■ 21.8683, 11.4361,
85.0596

■ 30.3048, 21.0009,
86.4611

■ 19.2853, 8.8024,
84.6874

■ 36.3576, 28.2347,
87.5384

■ 17.6236, 7.3370,
84.4921

■ 43.7476, 37.2731,
88.8935

■ 17.2939, 7.0639,
84.4568

■ 52.5504, 48.2281,
90.5440

62.8359, 61.2025,
92.5062

74.6694, 76.2917,
94.7951

88.1121, 93.5849,
97.4245

93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



16.0886, 15.4475, 111.1376



25.5051, 15.4475, 85.6418



33.7004, 15.4475, 43.3656

Triad

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



25.5051, 15.4475, 85.6418



22.2422, 15.4475, 0.0000



4.0210, 15.4475, 21.0348

Complementary

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



25.5051, 15.4475, 85.6418



59.4562, 77.6235, 19.2462

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.



4.6349, 15.4475, 4.1812



25.5051, 15.4475, 85.6418



13.3606, 15.4475, 0.0000

Square

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



25.5051, 15.4475, 85.6418



31.3830, 15.4475, 2.0367



7.4581, 15.4475, 0.1693



5.2962, 15.4475, 57.3669

Rectangle

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



25.5051, 15.4475, 85.6418



36.1762, 15.4475, 20.9527



7.4581, 15.4475, 0.1693



4.0201, 15.4475, 13.2694

Sweetspot

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



25.5060, 15.4479, 85.6422



67.4700, 64.7512, 103.5499



42.1503, 53.8707, 92.1813



13.7335, 12.9656, 22.0287



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.



25.5060, 15.4479, 85.6422



23.3687, 11.5584, 95.6071



40.8409, 23.3534, 86.3599



15.1962, 15.3828, 19.8899



9.3792, 3.8406, 45.3748



0.8591, 0.3601, 3.7784

Inverse Universe

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



50.9219, 29.0724, 63.2451



54.3479, 28.2239, 65.6504



42.0506, 68.6505, 18.4316



16.3091, 15.9734, 19.1839



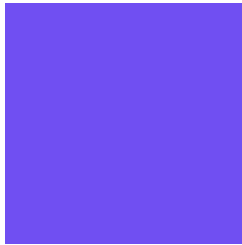
24.8927, 12.2295, 28.4151



2.1051, 1.0311, 2.5445

Previews

White Background



This preview shows how the XYZ color 25.5051, 15.4475, 85.6418 looks on a white background.

Color Contrast Check

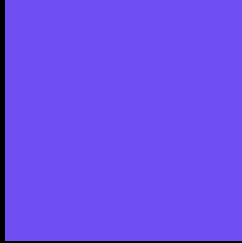
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5051, 15.4475, 85.6418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

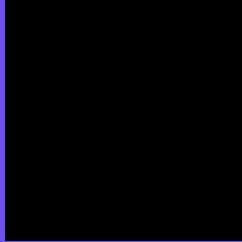
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5051, 15.4475, 85.6418

Background



This preview shows how black text looks on a background with the XYZ color 25.5051, 15.4475, 85.6418.



This preview shows how white text looks on a background with the XYZ color 25.5051, 15.4475,

85.6418.

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

25.5051, 15.4475, 85.6418

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.3086, 15.3941, 52.0337



Tritanopia

12.6947, 15.3879, 21.7031

Trichromacy



Original Color

25.5051, 15.4475, 85.6418



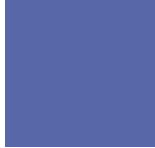
Protanomaly

19.2402, 14.4943, 75.9124



Deuteranomaly

17.1045, 14.2389, 62.8196



Tritanomaly

15.8486, 14.5539, 39.0197

Monochromacy



Original Color

25.5051, 15.4475, 85.6418



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

16.5821, 14.2009, 33.3196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5051, 15.4475, 85.6418 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(112, 79, 242)` looks like.

```
.text, #text, p{  
    color:rgb(112, 79, 242)  
}
```

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(112, 79, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 79, 242) }
```

Border

The CSS property to change the border of an element to XYZ 25.5051, 15.4475, 85.6418 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(112, 79, 242) }
```


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

```
.border{ border-color:rgb(112, 79, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 79, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 79, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 79, 242); box-shadow:4px 4px 4px 4px rgb(112, 79, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5051, 15.4475, 85.6418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 79, 242) }
```

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

```
.background{ background-color: rgb(112, 79,  
242) }
```

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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