

Converting Colors

XYZ(24.6158, 13.7651, 83.7976)

Have a look what the booklet for
XYZ(24.6158, 13.7651, 83.7976)
contains.

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Color

**XYZ(24.6158, 13.7651,
83.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	7242F0
RGB	114, 66, 240
RGB Percent	45%, 26%, 94%
CMY	0.5529, 0.7412, 0.0588
CMYK	0.52, 0.73, 0.00, 0.06
HSL	257°, 85%, 60%
HSV	257°, 73%, 94%
XYZ	24.6158, 13.7651, 83.7976
YIQ	100.1880, -27.2460, 64.2900

Conversions

Conversions Part 2

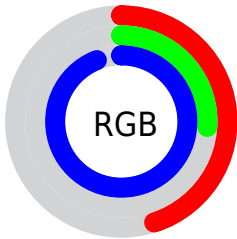
Format	Color
R_{YB}	114, 66, 240
Decimal	7488240
CIE _{Lab}	43.89, 60.55, -80.02
CIE _{LCh}	44, 100.341, 307.113
Yxy	13.7651, 0.2015, 0.1127
Android (android.graphics.Color)	4285678320 (0xFF7242F0)
YUV	100.1880, 68.9273, 12.1131
Hunter-Lab	37.1013, 53.5028, -107.9422

Details

The XYZ color **24.6158, 13.7651, 83.7976** 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 **53.8803, 73.9195, 16.5823**, and the grayscale version is **11.9964, 12.6211, 13.7444**.

A 20% lighter version of the original color is **42.4329, 29.4070, 98.0474**, and **9.5889, 4.0848, 45.0828** is the 20% darker color. If you saturate the color by 10%, you get **21.4463, 10.4681, 83.3286**, and if you desaturate by 10%, it is **28.8041, 18.4596, 84.4833**.

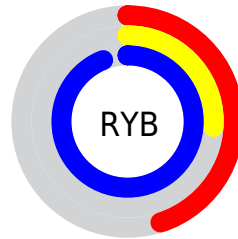
Distribution



Red (45%)

Green (26%)

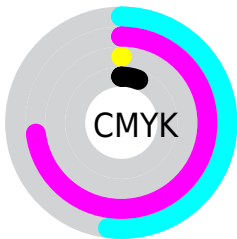
Blue (94%)



Red (45%)

Yellow (26%)

Blue (94%)

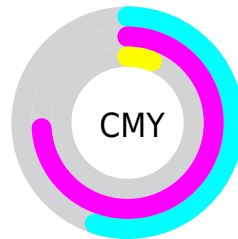


Cyan (52%)

Magenta (73%)

Yellow (0%)

Black (6%)



Cyan (55%)

Magenta (74%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6158, 13.7651, 83.7976 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 24.6158, 13.7651, 83.7976 by changing the saturation by 10% instead.

■ 24.6158, 13.7651,
83.7976

■ 24.6158, 13.7651,
83.7976

268.3022,
215.7646, 527.6813

■ 15.9182, 7.9575,
62.3039

■ 50.4806, 32.6716,
140.5512

■ 9.5568, 4.0677,
44.8409

■ 68.3787, 46.5394,
176.6482

■ 5.1661, 1.7115,
30.9901

■ 90.0742, 63.8626,
218.4501

■ 2.3808, 0.4311,
20.3329

■ 115.9326, 85.0256,
266.3754

■ 0.8355, 0.0000,
12.4508

■ 146.3193,
110.4130, 320.8426

■ 0.0000, 0.0000,
6.9252

181.5995,

■ 0.0000, 0.0000,

140.4090, 382.2703

3.3376

222.1387,
175.3980, 451.0771

■ 0.0000, 0.0000,
1.2695

■ 0.0000, 0.0000,
0.0366

■ 24.6158, 13.7651,
83.7976

■ 24.6158, 13.7651,
83.7976

■ 21.4463, 10.4681,
83.3286

■ 28.8041, 18.4596,
84.4833


■ 19.1897, 8.3968,
83.0478


■ 34.0967, 24.6931,
85.4076


■ 17.9896, 7.4570,
82.9296


■ 40.5722, 32.5904,
86.5906


■ 48.3008, 42.2629,
88.0503

 57.3471, 53.8124,
89.8027

 67.7710, 67.3324,
91.8630

 79.6287, 82.9107,
94.2449

 92.0086, 98.7003,
96.6401

 92.7282, 99.0713,
96.6738

Harmonies

Analogous

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



15.0648, 13.7651, 113.5787



24.6158, 13.7651, 83.7976



32.7709, 13.7651, 39.2093

Triad

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



24.6158, 13.7651, 83.7976



19.9583, 13.7651, 0.0000



3.0332, 13.7651, 21.0752

Complementary

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



24.6158, 13.7651, 83.7976



53.8803, 73.9195, 16.5823

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.



3.4608, 13.7651, 3.6085



24.6158, 13.7651, 83.7976



11.2837, 13.7651, 0.0000

Square

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



24.6158, 13.7651, 83.7976



29.4087, 13.7651, 1.0612



5.8684, 13.7651, 0.0000



4.2990, 13.7651, 59.8272

Rectangle

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



24.6158, 13.7651, 83.7976



34.9988, 13.7651, 17.2976



5.8684, 13.7651, 0.0000



2.9963, 13.7651, 12.8935

Sweetspot

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



24.6166, 13.7655, 83.7980



66.2924, 62.3739, 103.1531



37.1779, 45.8554, 89.3299



13.5479, 12.5262, 21.9537



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.



24.6166, 13.7655, 83.7980



23.2509, 10.7147, 95.4504



41.3359, 22.3846, 84.5804



15.3066, 15.4397, 19.8950



9.9578, 4.1388, 45.4019



0.9211, 0.3921, 3.7814

Inverse Universe

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



47.3973, 26.2272, 52.4300



51.5023, 26.2418, 53.2674



38.1589, 65.8148, 15.8465



16.2574, 15.9527, 18.9115



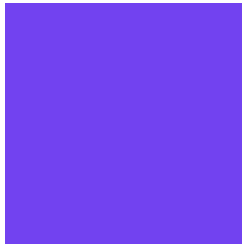
23.9013, 11.8330, 23.1947



2.0302, 1.0011, 2.1496

Previews

White Background



This preview shows how the XYZ color 24.6158, 13.7651, 83.7976 looks on a white background.

Color Contrast Check

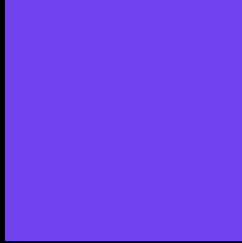
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6158, 13.7651, 83.7976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

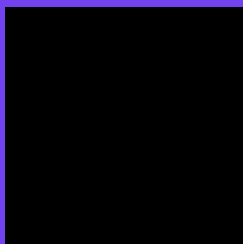
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6158, 13.7651, 83.7976

Background



This preview shows how black text looks on a background with the XYZ color 24.6158, 13.7651, 83.7976.



This preview shows how white text looks on a background with the XYZ color 24.6158, 13.7651,

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

24.6158, 13.7651, 83.7976

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.4945, 13.6443, 45.6384



Tritanopia

11.5812, 13.7175, 18.8670

Trichromacy



Original Color

24.6158, 13.7651, 83.7976

Protanomaly

17.4553, 12.6713, 69.9324

Deuteranomaly

15.3162, 12.2179, 57.4281

Tritanomaly

14.5558, 12.5612, 35.8398

Monochromacy



Original Color

24.6158, 13.7651, 83.7976

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.9013, 12.2171, 30.8509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6158, 13.7651, 83.7976 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(114, 66, 240)` looks like.

```
.text, #text, p{  
    color:rgb(114, 66, 240)  
}
```

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(114, 66, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 66, 240) }
```

Border

The CSS property to change the border of an element to XYZ 24.6158, 13.7651, 83.7976 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(114, 66, 240) }
```


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

```
.border{ border-color:rgb(114, 66, 240) }
```

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

Here you see how a box with a 4 pixel rgb(114, 66, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 66, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 66, 240);  
box-shadow:4px 4px 4px 4px rgb(114, 66,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6158, 13.7651, 83.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 66, 240) }
```

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

```
.background{ background-color: rgb(114, 66,  
240) }
```

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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