

Converting Colors

XYZ(22.7872, 15.6977, 75.0575)

Have a look what the booklet for
XYZ(22.7872, 15.6977, 75.0575)
contains.

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Color

**XYZ(22.7817, 15.6803,
75.2247)**

Conversions

Conversions Part 1

Format	Color
Hex	625BE4
RGB	98, 91, 228
RGB Percent	38%, 36%, 89%
CMY	0.6157, 0.6431, 0.1059
CMYK	0.57, 0.60, 0.00, 0.11
HSL	243°, 72%, 63%
HSV	243°, 60%, 89%
XYZ	22.7817, 15.6803, 75.2247
YIQ	108.7110, -39.8050, 44.0910

Conversions

Conversions Part 2

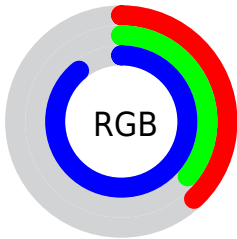
Format	Color
R_{YB}	98, 91, 228
Decimal	6446052
CIE _{Lab}	46.55, 40.97, -68.96
CIE _{LCh}	47, 80.209, 300.714
Yxy	15.6803, 0.2004, 0.1379
Android (android.graphics.Color)	4284636132 (0xFF625BE4)
YUV	108.7110, 58.8095, -9.3935
Hunter-Lab	39.5984, 33.3974, -84.9139

Details

The XYZ color **22.7817, 15.6803, 75.2247** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **59.4490, 71.6137, 20.5872**, and the grayscale version is **14.3020, 15.0468, 16.3860**.

A 20% lighter version of the original color is **42.0211, 33.9369, 98.9435**, and **8.5399, 4.8904, 39.0219** is the 20% darker color. If you saturate the color by 10%, you get **19.0931, 11.3118, 74.5763**, and if you desaturate by 10%, it is **27.6945, 21.5585, 76.1008**.

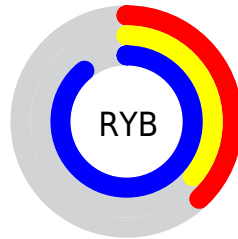
Distribution



Red (38%)

Green (36%)

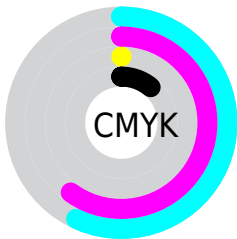
Blue (89%)



Red (38%)

Yellow (36%)

Blue (89%)

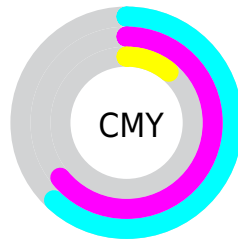


Cyan (57%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (62%)

Magenta (64%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7817, 15.6803, 75.2247 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 22.7817, 15.6803, 75.2247 by changing the saturation by 10% instead.

■ 22.7817, 15.6803,
75.2247

■ 22.7817, 15.6803,
75.2247

259.1581,
227.4478, 497.9655

■ 14.5522, 9.2982,
55.2942

■ 47.5039, 36.0423,
128.3804

■ 8.5900, 4.9362,
39.2371

■ 64.7274, 50.7910,
162.4426

■ 4.5297, 2.2099,
26.6350

■ 85.6795, 69.0973,
202.0525

■ 2.0059, 0.7254,
17.0693

■ 110.7257, 91.3457,
247.6286

■ 0.6373, 0.0000,
10.1214

■ 140.2313,
117.9206, 299.5894

■ 0.0000, 0.0000,
5.3729

174.5617,

■ 0.0000, 0.0000,

149.2063, 358.3535

2.4051

214.0821,
185.5872, 424.3393

■ 0.0000, 0.0000,
0.7892

■ 0.0000, 0.0000,
0.0000

■ 22.7817, 15.6803,
75.2247

■ 22.7817, 15.6803,
75.2247

■ 19.0931, 11.3118,
74.5763

■ 27.6945, 21.5585,
76.1008

■ 16.5187, 8.3138,
74.1333

■ 33.9239, 29.0662,
77.2216

■ 14.9327, 6.5236,
73.8713

■ 41.5564, 38.3126,
78.6040

■ 14.1506, 5.6772,
73.7492

■ 50.6702, 49.3971,
80.2632

■ 61.3379, 62.4116,
82.2130

■ 73.6273, 77.4418,
84.4664

■ 87.6020, 94.5683,
87.0356

■ 91.0037, 98.3815,
87.5923

Harmonies

Analogous

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



15.0701, 15.6803, 90.5101



22.7817, 15.6803, 75.2247



29.7749, 15.6803, 43.3076

Triad

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



22.7817, 15.6803, 75.2247



22.4027, 15.6803, 0.7205



5.1677, 15.6803, 17.5525

Complementary

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



22.7817, 15.6803, 75.2247



59.4490, 71.6137, 20.5872

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.



6.0524, 15.6803, 4.3964



22.7817, 15.6803, 75.2247



14.7384, 15.6803, 0.0042

Square

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



22.7817, 15.6803, 75.2247



29.5126, 15.6803, 4.0718



9.0901, 15.6803, 0.7904



6.1438, 15.6803, 44.8557

Rectangle

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



22.7817, 15.6803, 75.2247



32.2612, 15.6803, 23.9868



9.0901, 15.6803, 0.7904



5.2537, 15.6803, 11.6348

Sweetspot

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



22.7825, 15.6807, 75.2251



67.8673, 66.7851, 103.9216



44.2143, 59.6181, 82.5763



13.7219, 13.3146, 22.0967



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.



22.7825, 15.6807, 75.2251



23.7041, 13.5176, 95.9675



33.5443, 21.2286, 75.7288



13.6507, 13.9221, 18.1121



8.2005, 3.2934, 42.5866



0.6302, 0.2558, 3.1481

Inverse Universe

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



48.7866, 29.1965, 71.4669



60.0936, 32.4475, 89.9716



42.7029, 62.9808, 19.8035



14.9616, 14.6018, 17.9982



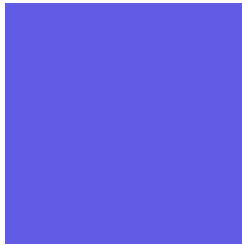
25.6714, 12.4028, 38.7602



1.9069, 0.9205, 2.9161

Previews

White Background



This preview shows how the XYZ color 22.7817, 15.6803, 75.2247 looks on a white background.

Color Contrast Check

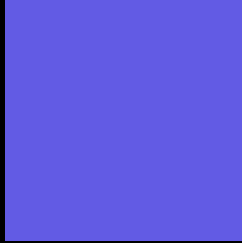
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7817, 15.6803, 75.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

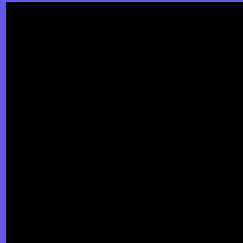
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7817, 15.6803, 75.2247

Background



This preview shows how black text looks on a background with the XYZ color 22.7817, 15.6803, 75.2247.



This preview shows how white text looks on a background with the XYZ color 22.7817, 15.6803,

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

22.7817, 15.6803, 75.2247

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

15.6427, 15.7053, 53.2459



Tritanopia

12.2967, 15.6820, 22.8009

Trichromacy



Original Color

22.7817, 15.6803, 75.2247

Protanomaly

19.1087, 15.1734, 73.8731

Deuteranomaly

16.9197, 14.9344, 60.3834

Tritanomaly

14.9171, 15.0341, 37.2376

Monochromacy



Original Color

22.7817, 15.6803, 75.2247

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.2446, 14.7730, 31.7011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7817, 15.6803, 75.2247 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(98, 91, 228) looks like.

```
.text, #text, p{  
    color:rgb(98, 91, 228)  
}
```

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(98, 91, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 91, 228) }
```

Border

The CSS property to change the border of an element to XYZ 22.7817, 15.6803, 75.2247 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(98, 91, 228) }
```


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

```
.border{ border-color:rgb(98, 91, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 91, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 91, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 91, 228);  
box-shadow:4px 4px 4px 4px rgb(98, 91,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7817, 15.6803, 75.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 91, 228) }
```

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

```
.background{ background-color: rgb(98, 91,  
228) }
```

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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