

Converting Colors

XYZ(27.0453, 15.7394, 89.1506)

Have a look what the booklet for
XYZ(27.0453, 15.7394, 89.1506)
contains.

XYZ(27.0358, 15.7509, 88.8041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.0358, 15.7509,
88.8041)**

Conversions

Conversions Part 1

Format	Color
Hex	794BF6
RGB	121, 75, 246
RGB Percent	47%, 29%, 96%
CMY	0.5255, 0.7059, 0.0353
CMYK	0.51, 0.70, 0.00, 0.04
HSL	256°, 90%, 63%
HSV	256°, 70%, 96%
XYZ	27.0358, 15.7509, 88.8041
YIQ	108.2480, -27.4750, 62.9330

Conversions

Conversions Part 2

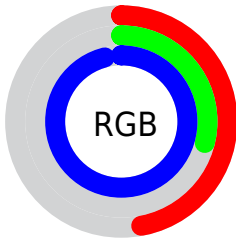
Format	Color
R_{YB}	121, 75, 246
Decimal	7949302
CIE Lab	46.65, 58.80, -78.85
CIE LCh	47, 98.364, 306.714
Yxy	15.7509, 0.2055, 0.1197
Android (android.graphics.Color)	4286139382 (0xFF794BF6)
YUV	108.2480, 67.9117, 11.1835
Hunter-Lab	39.6874, 52.1446, -104.8855

Details

The XYZ color **27.0358, 15.7509, 88.8041** 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 **58.0438, 78.6984, 18.7876**, and the grayscale version is **14.1450, 14.8817, 16.2061**.

A 20% lighter version of the original color is **44.9308, 32.3438, 98.4826**, and **10.8322, 4.9615, 47.9637** is the 20% darker color. If you saturate the color by 10%, you get **23.3887, 11.8544, 88.2446**, and if you desaturate by 10%, it is **31.7989, 21.1795, 89.6013**.

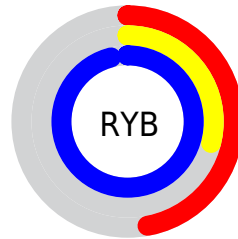
Distribution



Red (47%)

Green (29%)

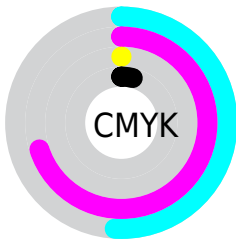
Blue (96%)



Red (47%)

Yellow (29%)

Blue (96%)

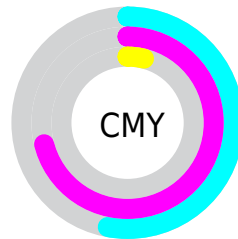


Cyan (51%)

Magenta (70%)

Yellow (0%)

Black (4%)



Cyan (53%)


Magenta (71%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0358, 15.7509, 88.8041 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 27.0358, 15.7509, 88.8041 by changing the saturation by 10% instead.

 27.0358, 15.7509,
88.8041


 27.0358, 15.7509,
88.8041


279.9948,
227.8673, 544.6023


 17.7368, 9.3481,
66.4211


 54.3608, 36.1652,
147.5971


 10.8598, 4.9689,
48.1557


 73.1175, 50.9455,
184.8441


 6.0392, 2.2290,
33.5893


 95.7576, 69.2870,
227.8829

 2.9098, 0.7357,
22.3035

 122.6463, 91.5742,
277.1321

 1.1063, 0.0000,
13.8796

 154.1490,
118.1914, 333.0100

 0.0303, 0.0000,
7.8992

190.6311,

 0.0000, 0.0000,

149.5231, 395.9353

3.9437

232.4579,
185.9536, 466.3266

■ 0.0000, 0.0000,
1.5945

■ 0.0000, 0.0000,
0.2869

■ 27.0358, 15.7509,
88.8041

■ 27.0358, 15.7509,
88.8041

■ 23.3887, 11.8544,
88.2446

■ 31.7989, 21.1795,
89.6013

■ 20.7498, 9.3171,
87.8940

■ 37.7660, 28.2843,
90.6581

■ 18.9666, 7.8753,
87.7097

■ 45.0186, 37.1937,
91.9956

■ 18.8939, 7.8185,
87.7025

■ 53.6301, 48.0231,
93.6320

63.6680, 60.8781,
95.5842

75.1953, 75.8565,
97.8678

88.2711, 93.0496,
100.4972

93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



16.9660, 15.7509, 118.4596



27.0358, 15.7509, 88.8041



35.5876, 15.7509, 43.1421

Triad

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



27.0358, 15.7509, 88.8041



22.4146, 15.7509, 0.0000



3.8919, 15.7509, 23.2316

Complementary

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



27.0358, 15.7509, 88.8041



58.0438, 78.6984, 18.7876

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.



4.4105, 15.7509, 4.4954



27.0358, 15.7509, 88.8041



13.1384, 15.7509, 0.0000

Square

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



27.0358, 15.7509, 88.8041



32.2884, 15.7509, 1.6216



7.1655, 15.7509, 0.1099



5.3127, 15.7509, 63.1779

Rectangle

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



27.0358, 15.7509, 88.8041



37.9645, 15.7509, 19.9788



7.1655, 15.7509, 0.1099



3.8572, 15.7509, 14.6018

Sweetspot

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



27.0367, 15.7513, 88.8045



67.3184, 63.7806, 103.3706



40.2834, 49.6439, 94.6483



13.7444, 12.7979, 21.9958



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.



27.0367, 15.7513, 88.8045



24.2146, 11.6994, 95.5897



44.6321, 24.8221, 89.6280



15.9994, 16.1423, 20.8151



10.1983, 4.2318, 46.8173



0.9903, 0.4204, 4.1192

Inverse Universe

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



50.9469, 28.7949, 57.5127



52.3163, 27.0932, 55.9328



41.2830, 70.0579, 18.0032



17.0122, 16.6877, 19.8109



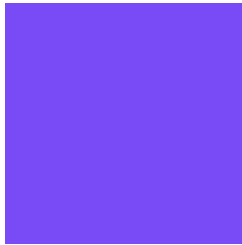
24.7349, 12.2374, 24.3762



2.2166, 1.0926, 2.3671

Previews

White Background



This preview shows how the XYZ color 27.0358, 15.7509, 88.8041 looks on a white background.

Color Contrast Check

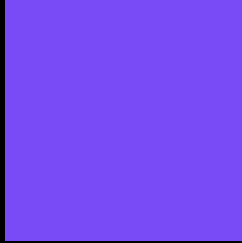
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0358, 15.7509, 88.8041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

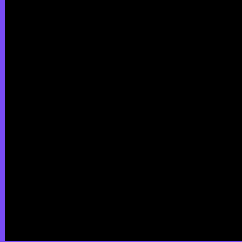
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0358, 15.7509, 88.8041

Background



This preview shows how black text looks on a background with the XYZ color 27.0358, 15.7509, 88.8041.



This preview shows how white text looks on a background with the XYZ color 27.0358, 15.7509,

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

27.0358, 15.7509, 88.8041

Protanopia

18.6086, 15.6899, 72.5687

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

13.4250, 15.6015, 21.3726

Trichromacy



Original Color

27.0358, 15.7509, 88.8041



Protanomaly

19.6964, 14.5461, 78.1135



Deuteranomaly

17.3842, 14.2126, 64.1144



Tritanomaly

16.5548, 14.4829, 38.9687

Monochromacy



Original Color

27.0358, 15.7509, 88.8041



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.1645, 14.3451, 34.2120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0358, 15.7509, 88.8041 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(121, 75, 246)` looks like.

```
.text, #text, p{  
    color:rgb(121, 75, 246)  
}
```

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(121, 75, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 75, 246) }
```

Border

The CSS property to change the border of an element to XYZ 27.0358, 15.7509, 88.8041 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(121, 75, 246) }
```


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

```
.border{ border-color:rgb(121, 75, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 75, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 75, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 75, 246);  
box-shadow:4px 4px 4px 4px rgb(121, 75,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0358, 15.7509, 88.8041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 75, 246) }
```

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

```
.background{ background-color: rgb(121, 75,  
246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor