

Converting Colors

XYZ(27.6450, 15.6196, 89.5540)

Have a look what the booklet for
XYZ(27.6450, 15.6196, 89.5540)
contains.

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Color

**XYZ(27.6459, 15.6575,
89.5608)**

Conversions

Conversions Part 1

Format	Color
Hex	7E47F7
RGB	126, 71, 247
RGB Percent	49%, 28%, 97%
CMY	0.5059, 0.7216, 0.0314
CMYK	0.49, 0.71, 0.00, 0.03
HSL	259°, 92%, 62%
HSV	259°, 71%, 97%
XYZ	27.6459, 15.6575, 89.5608
YIQ	107.5090, -23.7160, 66.3960

Conversions

Conversions Part 2

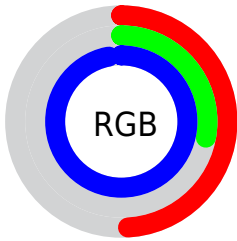
Format	Color
R _Y B	126, 71, 247
Decimal	8275959
CIE Lab	46.52, 61.79, -79.59
CIE LCh	47, 100.766, 307.824
Yxy	15.6575, 0.2081, 0.1178
Android (android.graphics.Color)	4286466039 (0xFF7E47F7)
YUV	107.5090, 68.7691, 16.2166
Hunter-Lab	39.5696, 55.4651, -106.4969

Details

The XYZ color **27.6459, 15.6575, 89.5608** 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 **56.1353, 78.1826, 18.0933**, and the grayscale version is **13.9366, 14.6624, 15.9674**.

A 20% lighter version of the original color is **45.7512, 32.2001, 98.4116**, and **11.1329, 4.8918, 48.5016** is the 20% darker color. If you saturate the color by 10%, you get **24.0870, 11.9457, 89.0323**, and if you desaturate by 10%, it is **32.2694, 20.8649, 90.3226**.

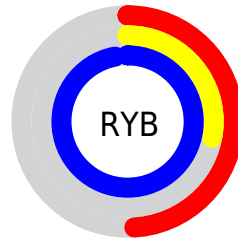
Distribution



Red (49%)

Green (28%)

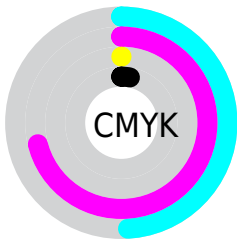
Blue (97%)



Red (49%)

Yellow (28%)

Blue (97%)

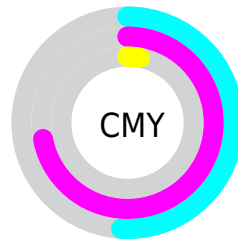


Cyan (49%)

Magenta (71%)

Yellow (0%)

Black (3%)



Cyan (51%)

Magenta (72%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6459, 15.6575, 89.5608 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 27.6459, 15.6575, 89.5608 by changing the saturation by 10% instead.

■ 27.6459, 15.6575,
89.5608

■ 27.6459, 15.6575,
89.5608

282.8819,
227.3121, 547.1343

■ 18.1980, 9.2821,
67.0448

■ 55.3312, 36.0026,
148.6584

■ 11.1928, 4.9257,
48.6592

■ 74.2993, 50.7411,
186.0770

■ 6.2649, 2.2037,
33.9855

■ 97.1716, 69.0360,
229.3002

■ 3.0490, 0.7220,
22.6052

■ 124.3133, 91.2719,
278.7466

■ 1.1797, 0.0000,
14.0997

■ 156.0898,
117.8331, 334.8346

■ 0.0903, 0.0000,
8.0505

192.8665,

■ 0.0000, 0.0000,

149.1039, 397.9829

4.0390

235.0087,
185.4688, 468.6099

■ 0.0000, 0.0000,
1.6468

■ 0.0000, 0.0000,
0.3239

■ 27.6459, 15.6575,
89.5608

■ 27.6459, 15.6575,
89.5608

■ 24.0870, 11.9457,
89.0323

■ 32.2694, 20.8649,
90.3226

■ 21.4859, 9.5517,
88.7073

■ 38.0438, 27.7149,
91.3405

■ 19.8649, 8.3013,
88.5514

■ 45.0487, 36.3377,
92.6357

■ 53.3554, 46.8498,
94.2269

63.0295, 59.3574,
96.1312

74.1320, 73.9588,
98.3644

86.7199, 90.7458,
100.9412

93.7886, 99.4954,
102.2574

Harmonies

Analogous

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



17.2721, 15.6575, 121.8159



27.6459, 15.6575, 89.5608



36.3112, 15.6575, 42.2103

Triad

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



27.6459, 15.6575, 89.5608



22.1142, 15.6575, 0.0000



3.7136, 15.6575, 24.4199

Complementary

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



27.6459, 15.6575, 89.5608



56.1353, 78.1826, 18.0933

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.



4.1581, 15.6575, 4.6209



27.6459, 15.6575, 89.5608



12.7232, 15.6575, 0.0000

Square

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



27.6459, 15.6575, 89.5608



32.3463, 15.6575, 1.3250



6.8128, 15.6575, 0.0430



5.2069, 15.6575, 66.3848

Rectangle

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



27.6459, 15.6575, 89.5608



38.5729, 15.6575, 18.9289



6.8128, 15.6575, 0.0430



3.6570, 15.6575, 15.2967

Sweetspot

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



27.6468, 15.6579, 89.5612



68.0108, 64.1375, 103.4030



38.7235, 46.7278, 94.9745



13.9071, 12.8818, 22.0034



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.



27.6468, 15.6579, 89.5612



24.4084, 11.4210, 95.5257



46.1357, 25.1893, 90.4265



16.0684, 16.1779, 20.8183



10.6341, 4.4564, 46.8377



1.0360, 0.4439, 4.1213

Inverse Universe

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



50.1251, 28.0863, 52.6457



50.7740, 26.0685, 49.0681



40.3659, 70.0532, 17.3554



16.9803, 16.6750, 19.6428



24.1806, 12.0157, 21.4574



2.1714, 1.0745, 2.1291

Previews

White Background



This preview shows how the XYZ color 27.6459, 15.6575, 89.5608 looks on a white background.

Color Contrast Check

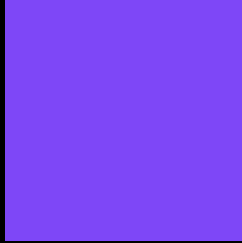
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6459, 15.6575, 89.5608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

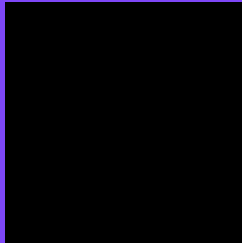
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.6459, 15.6575, 89.5608

Background



This preview shows how black text looks on a background with the XYZ color 27.6459, 15.6575, 89.5608.



This preview shows how white text looks on a background with the XYZ color 27.6459, 15.6575,

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

27.6459, 15.6575, 89.5608

Protanopia

18.6086, 15.6899, 72.5687

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

13.7324, 15.4395, 20.6687

Trichromacy



Original Color

27.6459, 15.6575, 89.5608



Protanomaly

19.6066, 14.2357, 78.0583



Deuteranomaly

17.5046, 14.1203, 64.7537



Tritanomaly

17.0517, 14.4684, 38.4532

Monochromacy



Original Color

27.6459, 15.6575, 89.5608



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

17.4204, 14.3325, 34.6492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6459, 15.6575, 89.5608 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(126, 71, 247)` looks like.

```
.text, #text, p{  
    color:rgb(126, 71, 247)  
}
```

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(126, 71, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 71, 247) }
```

Border

The CSS property to change the border of an element to XYZ 27.6459, 15.6575, 89.5608 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(126, 71, 247) }
```


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

```
.border{ border-color:rgb(126, 71, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 71, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 71, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 71, 247);  
box-shadow:4px 4px 4px 4px rgb(126, 71,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6459, 15.6575, 89.5608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 71, 247) }
```

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

```
.background{ background-color: rgb(126, 71,  
247) }
```

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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