

Converting Colors

XYZ(47.3472, 27.9048, 85.6347)

Have a look what the booklet for
XYZ(47.3472, 27.9048, 85.6347)
contains.

XYZ(47.3249, 27.8831, 85.3258)	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(47.3249, 27.8831,
85.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	D759F0
RGB	215, 89, 240
RGB Percent	84%, 35%, 94%
CMY	0.1569, 0.6510, 0.0588
CMYK	0.10, 0.63, 0.00, 0.06
HSL	290°, 83%, 65%
HSV	290°, 63%, 94%
XYZ	47.3249, 27.8831, 85.3258
YIQ	143.8880, 26.6250, 73.6730

Conversions

Conversions Part 2

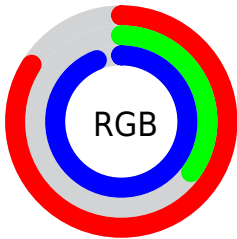
Format	Color
R _{YB}	215, 89, 240
Decimal	14113264
CIE _{Lab}	59.78, 69.65, -53.73
CIE _{LCh}	60, 87.963, 322.351
Y _{xy}	27.8831, 0.2948, 0.1737
Android (android.graphics.Color)	4292303344 (0xFFD759F0)
Y _{UV}	143.8880, 47.3832, 62.3652
Hunter-Lab	52.8045, 67.5692, -58.8426

Details

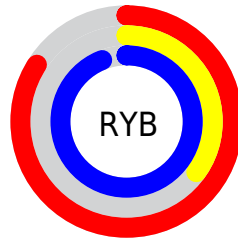
The XYZ color **47.3249, 27.8831, 85.3258** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **39.9035, 66.6195, 20.2080**, and the grayscale version is **26.2735, 27.6417, 30.1018**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **22.7388, 11.1608, 45.7555** is the 20% darker color. If you saturate the color by 10%, you get **44.4910, 23.9256, 84.7117**, and if you desaturate by 10%, it is **50.8400, 33.1590, 86.1593**.

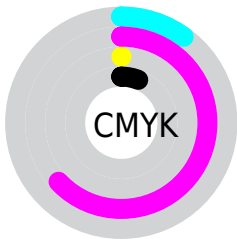
Distribution



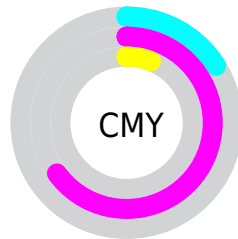
- Red (84%)
- Green (35%)
- Blue (94%)



- Red (84%)
- Yellow (35%)
- Blue (94%)



- Cyan (10%)
- Magenta (63%)
- Yellow (0%)
- Black (6%)





- Cyan (16%)
- Magenta (65%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3249, 27.8831, 85.3258 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 47.3249, 27.8831, 85.3258 by changing the saturation by 10% instead.

 47.3249, 27.8831,
85.3258


 47.3249, 27.8831,
85.3258


366.7372,
291.9079, 532.8782


 33.5016, 18.2376,
63.5589


 85.4142, 56.2978,
142.7065


 22.6720, 11.1207,
45.8496

 110.4109, 75.8357,
179.1574

 14.4709, 6.1481,
31.7794


 139.8628, 99.4398,
221.3400

 8.5328, 2.9353,
20.9296

 174.1352,
127.4946, 269.6729

 4.4924, 1.0981,
12.8818

213.5934,
160.3844, 324.5746

 1.9843, 0.0000,
7.2174

258.6030,

 0.6251, 0.0000,

198.4936, 386.4637

3.5180

309.5291,
242.2066, 455.7587

■ 0.0000, 0.0000,
1.3648

■ 0.0000, 0.0000,
0.1140

■ 47.3249, 27.8831,
85.3258

■ 47.3249, 27.8831,
85.3258

■ 44.4910, 23.9256,
84.7117

■ 50.8400, 33.1590,
86.1593

■ 42.2689, 21.1509,
84.2933


■ 55.0903, 39.8639,
87.2295


■ 40.5797, 19.4004,
84.0444


■ 60.1281, 48.1011,
88.5539

■ 39.6189, 18.6074,
83.9420


■ 65.9997, 57.9630,
90.1480

 72.7478, 69.5347,
92.0259

 80.4122, 82.8955,
94.2008

 88.3869, 96.8333,
96.4708

 89.7718, 97.5472,
96.5356

 91.1865, 98.2765,
96.6018

Harmonies

Analogous

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



35.5060, 27.8831, 129.7077



47.3249, 27.8831, 85.3258



53.8885, 27.8831, 39.2745

Triad

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



47.3249, 27.8831, 85.3258



29.4551, 27.8831, 1.1188



11.2229, 27.8831, 60.1563

Complementary

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



47.3249, 27.8831, 85.3258



39.9035, 66.6195, 20.2080

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.



10.4421, 27.8831, 22.9080



47.3249, 27.8831, 85.3258



19.1656, 27.8831, 1.6315

Square

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



47.3249, 27.8831, 85.3258



41.8487, 27.8831, 3.0915



12.9078, 27.8831, 6.1969



15.4576, 27.8831, 109.3839

Rectangle

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



47.3249, 27.8831, 85.3258



53.4004, 27.8831, 19.0423



12.9078, 27.8831, 6.1969



10.6069, 27.8831, 45.4549

Sweetspot

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



47.3260, 27.8843, 85.3264



78.6042, 71.3982, 104.2461



25.8852, 20.4886, 85.0290



16.3652, 14.4983, 22.1859



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.



47.3260, 27.8843, 85.3264



50.4047, 26.6002, 97.0855



48.7663, 29.3742, 51.6251



16.1824, 15.8913, 19.9360



21.7852, 10.2361, 45.9554



1.8799, 0.8864, 3.8262

Inverse Universe

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



42.5457, 26.8860, 18.8678



45.1437, 25.7324, 13.5127



39.9654, 66.3186, 35.2497



15.8795, 15.8015, 16.9219



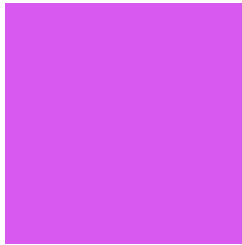
19.9109, 10.2368, 2.1815



1.6874, 0.8640, 0.3445

Previews

White Background



This preview shows how the XYZ color 47.3249, 27.8831, 85.3258 looks on a white background.

Color Contrast Check

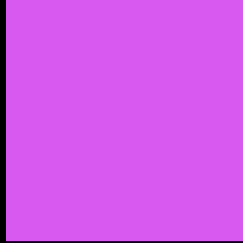
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 47.3249, 27.8831, 85.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

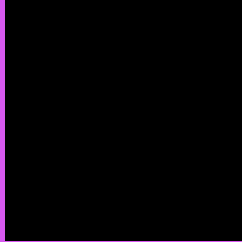
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.3249, 27.8831, 85.3258

Background



This preview shows how black text looks on a background with the XYZ color 47.3249, 27.8831, 85.3258.



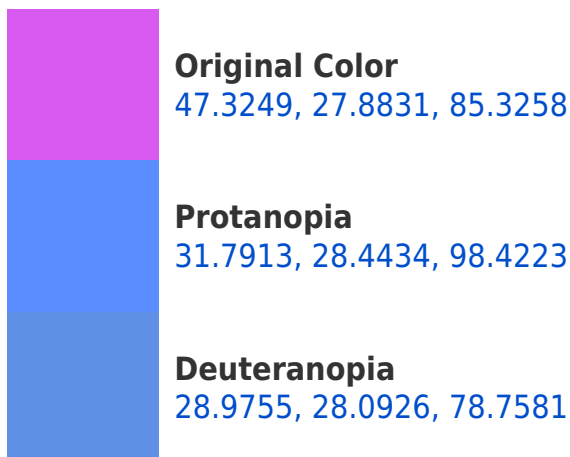
This preview shows how white text looks on a background with the XYZ color 47.3249, 27.8831,

85.3258.

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





Tritanopia

34.6861, 27.5658, 24.6117

Trichromacy



Original Color

47.3249, 27.8831, 85.3258



Protanomaly

34.2065, 25.9721, 93.6527



Deuteranomaly

32.7064, 25.8448, 81.1066



Tritanomaly

37.9012, 26.8187, 41.2091

Monochromacy



Original Color

47.3249, 27.8831, 85.3258



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

31.9219, 26.2160, 46.0256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3249, 27.8831, 85.3258 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(215, 89, 240)` looks like.

```
.text, #text, p{  
    color:rgb(215, 89, 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(215, 89, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 89, 240) }
```

Border

The CSS property to change the border of an element to XYZ 47.3249, 27.8831, 85.3258 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(215, 89, 240) }
```


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

```
.border{ border-color:rgb(215, 89, 240) }
```

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

Here you see how a box with a 4 pixel rgb(215, 89, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 89, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 89, 240);  
box-shadow:4px 4px 4px 4px rgb(215, 89,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3249, 27.8831, 85.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 89, 240) }
```

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

```
.background{ background-color: rgb(215, 89,  
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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