

Converting Colors

XYZ(42.5125, 28.0558, 86.8971)

Have a look what the booklet for
XYZ(42.5125, 28.0558, 86.8971)
contains.

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Color

**XYZ(42.6248, 28.0831,
87.1784)**

Conversions

Conversions Part 1

Format	Color
Hex	BE6CF2
RGB	190, 108, 242
RGB Percent	75%, 42%, 95%
CMY	0.2549, 0.5765, 0.0510
CMYK	0.21, 0.55, 0.00, 0.05
HSL	277°, 84%, 69%
HSV	277°, 55%, 95%
XYZ	42.6248, 28.0831, 87.1784
YIQ	147.7940, 5.8580, 59.0580

Conversions

Conversions Part 2

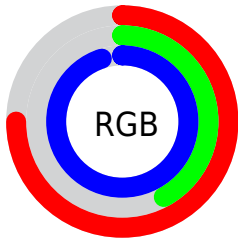
Format	Color
R _{YB}	190, 108, 242
Decimal	12479730
CIE _{Lab}	59.96, 55.29, -54.74
CIE _{LCh}	60, 77.804, 315.284
Y _{xy}	28.0831, 0.2700, 0.1779
Android (android.graphics.Color)	4290669810 (0xFFBE6CF2)
YUV	147.7940, 46.4436, 37.0147
Hunter-Lab	52.9935, 50.8361, -60.4412

Details

The XYZ color **42.6248, 28.0831, 87.1784** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **48.9567, 72.0611, 25.5172**, and the grayscale version is **27.8748, 29.3264, 31.9365**.

A 20% lighter version of the original color is **70.0373, 53.2004, 101.1851**, and **19.7960, 11.2217, 47.0216** is the 20% darker color. If you saturate the color by 10%, you get **38.1474, 22.4979, 86.3368**, and if you desaturate by 10%, it is **47.9638, 35.1647, 88.2644**.

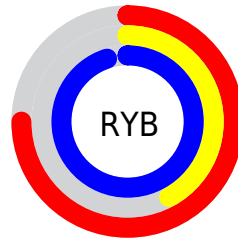
Distribution



Red (75%)

Green (42%)

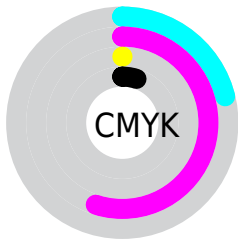
Blue (95%)



Red (75%)

Yellow (42%)

Blue (95%)

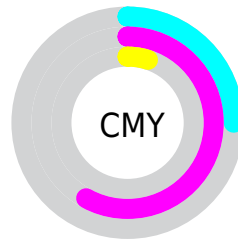


Cyan (21%)

Magenta (55%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (58%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6248, 28.0831, 87.1784 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 42.6248, 28.0831, 87.1784 by changing the saturation by 10% instead.


 42.6248, 28.0831,
87.1784


 42.6248, 28.0831,
87.1784


348.0142,
292.8638, 539.1403


 29.7841, 18.3883,
65.0824


 78.4036, 56.6171,
145.3138


 19.8220, 11.2291,
47.0761

 102.0724, 76.2251,
182.1903

 12.3732, 6.2212,
32.7411


 130.0813, 99.9063,
224.8307

 7.0724, 2.9800,
21.6587

 162.7956,
128.0450, 273.6536

 3.5542, 1.1213,
13.4104

200.5807,
161.0258, 329.0774

 1.4531, 0.0000,
7.5777

243.8019,

 0.2936, 0.0000,

199.2329, 391.5208

3.7421

292.8246,
243.0507, 461.4023

■ 0.0000, 0.0000,
1.4849

■ 0.0000, 0.0000,
0.2067

■ 42.6248, 28.0831,
87.1784

■ 42.6248, 28.0831,
87.1784

■ 38.1474, 22.4979,
86.3368

■ 47.9638, 35.1647,
88.2644

■ 34.4650, 18.2839,
85.7175

■ 54.2170, 43.8474,
89.6107

■ 31.5059, 15.3004,
85.2976

■ 61.4364, 54.2301,
91.2343

■ 29.1804, 13.3727,
85.0481

■ 69.6690, 66.4028,
93.1499

■ 28.2565, 12.7153,
84.9699

■ 78.9582, 80.4487,
95.3715

■ 89.3450, 96.4460,
97.9118

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



32.0285, 28.0831, 119.0213



42.6248, 28.0831, 87.1784



49.6493, 28.0831, 46.6154

Triad

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



42.6248, 28.0831, 87.1784



31.8235, 28.0831, 2.3546



12.2231, 28.0831, 47.3089

Complementary

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



42.6248, 28.0831, 87.1784



48.9567, 72.0611, 25.5172

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.



12.1942, 28.0831, 18.7183



42.6248, 28.0831, 87.1784



21.9841, 28.0831, 2.3799

Square

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



42.6248, 28.0831, 87.1784



42.4431, 28.0831, 5.9006



15.3256, 28.0831, 6.0289



15.4178, 28.0831, 87.9475

Rectangle

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



42.6248, 28.0831, 87.1784



50.4757, 28.0831, 25.8291



15.3256, 28.0831, 6.0289



11.8747, 28.0831, 35.8753

Sweetspot

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



42.6259, 28.0842, 87.1790



76.8258, 72.3401, 104.5216



35.0623, 35.3000, 88.9705



16.0324, 14.8721, 22.2755



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.



42.6259, 28.0842, 87.1790



42.5920, 24.8953, 97.1682



56.0683, 35.2381, 77.6834



15.8259, 15.7075, 19.9193



15.3370, 6.9119, 45.6537



1.3869, 0.6322, 3.8032

Inverse Universe

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



48.3264, 32.1413, 36.9151



50.2922, 30.2952, 32.9066



41.4131, 68.0834, 29.1778



16.0267, 15.8604, 17.6969



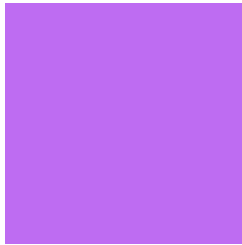
20.8167, 10.5991, 6.9514



1.7791, 0.9007, 0.8275

Previews

White Background



This preview shows how the XYZ color 42.6248, 28.0831, 87.1784 looks on a white background.

Color Contrast Check

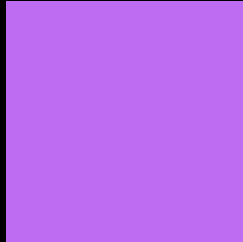
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6248, 28.0831, 87.1784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

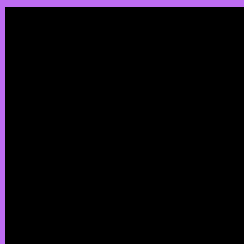
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.6248, 28.0831, 87.1784

Background



This preview shows how black text looks on a background with the XYZ color 42.6248, 28.0831, 87.1784.

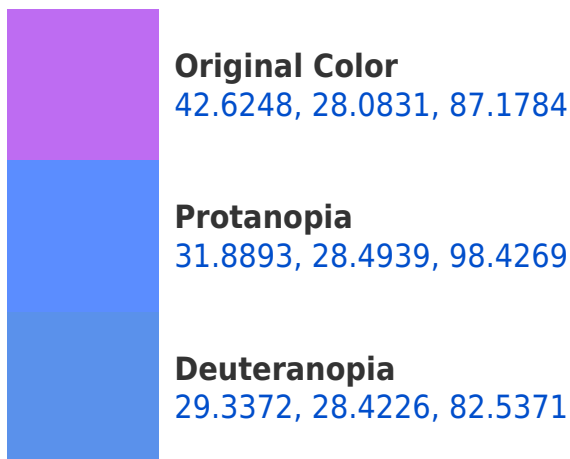


This preview shows how white text looks on a background with the XYZ color 42.6248, 28.0831,

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

31.0147, 28.0625, 30.1675

Trichromacy



Original Color

42.6248, 28.0831, 87.1784



Protanomaly

33.8580, 27.1147, 93.8916



Deuteranomaly

32.2881, 27.1112, 84.4201



Tritanomaly

34.3942, 27.6658, 46.7073

Monochromacy



Original Color

42.6248, 28.0831, 87.1784



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

31.9353, 27.9390, 47.9656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6248, 28.0831, 87.1784 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(190, 108, 242)` looks like.

```
.text, #text, p{  
    color:rgb(190, 108, 242)  
}
```

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(190, 108, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 108, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.6248, 28.0831, 87.1784 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(190, 108, 242) }
```


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

```
.border{ border-color:rgb(190, 108, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 108, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 108, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 108, 242);  
box-shadow:4px 4px 4px 4px rgb(190, 108,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6248, 28.0831, 87.1784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 108, 242) }
```

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

```
.background{ background-color: rgb(190,  
108, 242) }
```

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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