

Converting Colors

XYZ(41.3654, 27.8744, 90.3990)

Have a look what the booklet for
XYZ(41.3654, 27.8744, 90.3990)
contains.

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Color

**XYZ(41.3750, 27.8465,
90.3830)**

Conversions

Conversions Part 1

Format	Color
Hex	B56FF6
RGB	181, 111, 246
RGB Percent	71%, 44%, 96%
CMY	0.2902, 0.5647, 0.0353
CMYK	0.26, 0.55, 0.00, 0.04
HSL	271°, 88%, 70%
HSV	271°, 55%, 96%
XYZ	41.3750, 27.8465, 90.3830
YIQ	147.3200, -1.6150, 56.8250

Conversions

Conversions Part 2

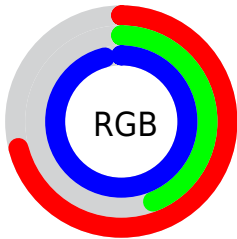
Format	Color
R _Y B	181, 111, 246
Decimal	11890678
CIE Lab	59.75, 52.43, -57.36
CIE LCh	60, 77.713, 312.430
Yxy	27.8465, 0.2592, 0.1745
Android (android.graphics.Color)	4290080758 (0xFFB56FF6)
YUV	147.3200, 48.6492, 29.5374
Hunter-Lab	52.7698, 47.6087, -64.6118

Details

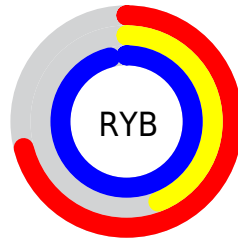
The XYZ color **41.3750, 27.8465, 90.3830** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **53.7302, 76.2900, 26.9335**, and the grayscale version is **27.6720, 29.1131, 31.7042**.

A 20% lighter version of the original color is **67.4403, 52.6555, 101.2168**, and **19.0615, 11.0871, 49.2795** is the 20% darker color. If you saturate the color by 10%, you get **36.3909, 21.8266, 89.4842**, and if you desaturate by 10%, it is **47.3364, 35.4680, 91.5404**.

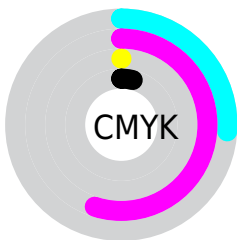
Distribution



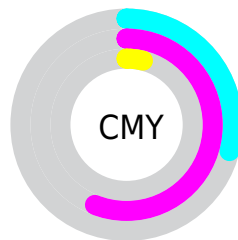
- Red (71%)
- Green (44%)
- Blue (96%)



- Red (71%)
- Yellow (44%)
- Blue (96%)



- Cyan (26%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)





- Cyan (29%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3750, 27.8465, 90.3830 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 41.3750, 27.8465, 90.3830 by changing the saturation by 10% instead.


 41.3750, 27.8465,
90.3830


 41.3750, 27.8465,
90.3830


342.9214,
291.7327, 549.8782


 28.8012, 18.2100,
67.7228


 76.5239, 56.2393,
149.8104


 19.0740, 11.1008,
49.2070


 99.8298, 75.7643,
187.4148

 11.8281, 6.1347,
34.4170


 127.4437, 99.3543,
230.8377

 6.6981, 2.9272,
22.9342

 159.7310,
127.3937, 280.4976

 3.3187, 1.0938,
14.3401

197.0570,
160.2668, 336.8130

 1.3244, 0.0000,
8.2161

239.7872,

 0.2014, 0.0000,

198.3581, 400.2026

4.1438

288.2869,
242.0519, 471.0848

■ 0.0000, 0.0000,
1.7046

■ 0.0000, 0.0000,
0.3639

■ 41.3750, 27.8465,
90.3830

■ 41.3750, 27.8465,
90.3830

■ 36.3909, 21.8266,
89.4842

■ 47.3364, 35.4680,
91.5404

■ 32.3126, 17.2775,
88.8211

■ 54.3325, 44.8014,
92.9732

■ 29.0625, 14.0522,
88.3699

■ 62.4200, 55.9503,
94.6989

■ 26.5454, 11.9693,
88.1005

■ 71.6499, 69.0093,
96.7331

■ 25.4703, 11.2088,
88.0104

■ 82.0699, 84.0662,
99.0901

■ 92.5644, 98.8821,
101.3968

■ 93.6347, 99.4339,
101.4469

Harmonies

Analogous

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



30.7470, 27.8465, 119.8375



41.3750, 27.8465, 90.3830



48.8815, 27.8465, 49.7691

Triad

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



41.3750, 27.8465, 90.3830



32.5919, 27.8465, 2.4569



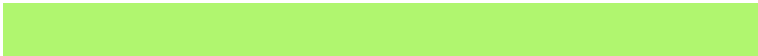
11.9690, 27.8465, 43.5258

Complementary

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



41.3750, 27.8465, 90.3830



53.7302, 76.2900, 26.9335

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.



12.2293, 27.8465, 16.7407



41.3750, 27.8465, 90.3830



22.6043, 27.8465, 2.2291

Square

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



41.3750, 27.8465, 90.3830



43.0103, 27.8465, 6.5015



15.6546, 27.8465, 5.3478



14.8252, 27.8465, 83.4586

Rectangle

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



41.3750, 27.8465, 90.3830



50.1947, 27.8465, 28.0828



15.6546, 27.8465, 5.3478



11.7198, 27.8465, 32.6732

Sweetspot

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



41.3761, 27.8476, 90.3837



76.5258, 73.1372, 104.6913



38.7654, 41.1832, 93.0953



15.9218, 15.0025, 22.3065



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.



41.3761, 27.8476, 90.3837



38.8823, 22.9829, 96.9946



59.9824, 37.4791, 89.4624



16.4009, 16.3493, 20.8339



13.7580, 6.0668, 46.9839



1.3279, 0.5944, 4.1350

Inverse Universe

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



51.5277, 34.0972, 44.9406



51.6669, 30.8451, 40.1458



42.5069, 70.4896, 27.0632



16.8315, 16.6155, 18.8592



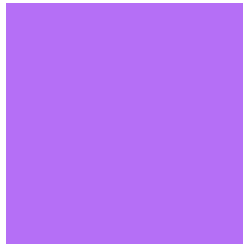
22.1158, 11.1897, 10.5840



1.9954, 1.0041, 1.2023

Previews

White Background



This preview shows how the XYZ color 41.3750, 27.8465, 90.3830 looks on a white background.

Color Contrast Check

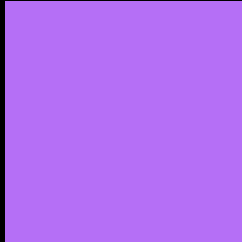
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3750, 27.8465, 90.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

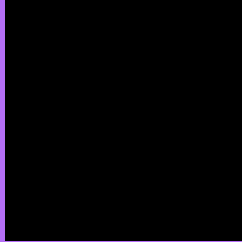
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3750, 27.8465, 90.3830

Background



This preview shows how black text looks on a background with the XYZ color 41.3750, 27.8465, 90.3830.



This preview shows how white text looks on a background with the XYZ color 41.3750, 27.8465,

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

41.3750, 27.8465, 90.3830

Protanopia

31.6445, 28.1498, 98.3734

Deuteranopia

29.0987, 28.2321, 85.5770



Tritanopia

29.5220, 27.8904, 31.4312

Trichromacy



Original Color

41.3750, 27.8465, 90.3830

Protanomaly

33.5893, 26.9397, 95.5250

Deuteranomaly

31.7507, 26.9678, 87.5363

Tritanomaly

32.8440, 27.4033, 48.3580

Monochromacy



Original Color

41.3750, 27.8465, 90.3830

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.3704, 27.8400, 48.5200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3750, 27.8465, 90.3830 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(181, 111, 246)` looks like.

```
.text, #text, p{  
    color:rgb(181, 111, 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(181, 111, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 111, 246) }
```

Border

The CSS property to change the border of an element to XYZ 41.3750, 27.8465, 90.3830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

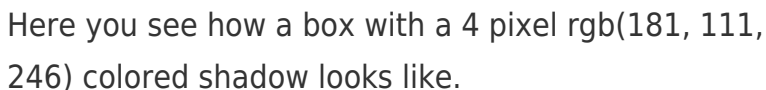
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 111, 246) }
```


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

```
.border{ border-color:rgb(181, 111, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 111, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 111, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 111, 246);  
box-shadow:4px 4px 4px 4px rgb(181, 111,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3750, 27.8465, 90.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 111, 246) }
```

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

```
.background{ background-color: rgb(181,  
111, 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](#).

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