

Converting Colors

XYZ(47.0382, 35.6502, 86.6074)

Have a look what the booklet for
XYZ(47.0382, 35.6502, 86.6074)
contains.

XYZ(47.1795, 35.7847, 86.8586)	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(47.1795, 35.7847,
86.8586)**

Conversions

Conversions Part 1

Format	Color
Hex	C389F0
RGB	195, 137, 240
RGB Percent	76%, 54%, 94%
CMY	0.2353, 0.4627, 0.0588
CMYK	0.19, 0.43, 0.00, 0.06
HSL	274°, 77%, 74%
HSV	274°, 43%, 94%
XYZ	47.1795, 35.7847, 86.8586
YIQ	166.0840, 1.5050, 44.3290

Conversions

Conversions Part 2

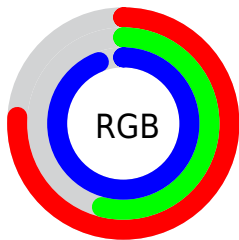
Format	Color
RYB	195, 137, 240
Decimal	12814832
CIELab	66.36, 40.91, -43.50
CIElCh	66, 59.713, 313.246
Yxy	35.7847, 0.2778, 0.2107
Android (android.graphics.Color)	4291004912 (0xFFC389F0)
YUV	166.0840, 36.4406, 25.3593
Hunter-Lab	59.8203, 36.0951, -44.2144

Details

The XYZ color **47.1795, 35.7847, 86.8586** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.9679, 74.0722, 35.0686**, and the grayscale version is **36.1162, 37.9970, 41.3788**.

A 20% lighter version of the original color is **77.1888, 65.3643, 103.1560**, and **22.5225, 15.5634, 46.6167** is the 20% darker color. If you saturate the color by 10%, you get **41.5251, 28.3567, 85.7235**, and if you desaturate by 10%, it is **53.7855, 44.8310, 88.2571**.

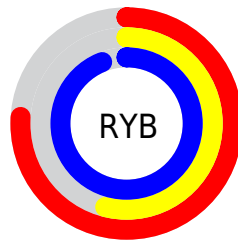
Distribution



Red (76%)

Green (54%)

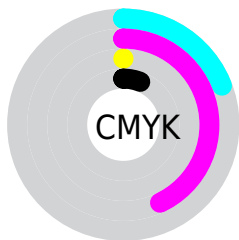
Blue (94%)



Red (76%)

Yellow (54%)

Blue (94%)

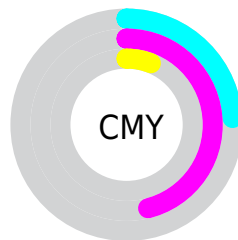


Cyan (19%)

Magenta (43%)

Yellow (0%)

Black (6%)



Cyan (24%)


Magenta (46%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1795, 35.7847, 86.8586 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 47.1795, 35.7847, 86.8586 by changing the saturation by 10% instead.


 47.1795, 35.7847,
86.8586


 47.1795, 35.7847,
86.8586


366.1675,
328.0185, 538.0623


 33.3861, 24.2680,
64.8192

 85.1986, 68.6996,
144.8642

 22.5831, 15.5325,
46.8641

 110.1551, 90.8666,
181.6675

 14.4049, 9.1940,
32.5747

 139.5632,
117.3525, 224.2291

 8.4864, 4.8679,
21.5324

173.7885,
148.5416, 272.9677

 4.4622, 2.1700,
13.3187

213.1962,
184.8183, 328.3018

 1.9668, 0.7035,
7.5151

258.1517,

 0.6152, 0.0000,

226.5672, 390.6499

3.7030

309.0204,
274.1724, 460.4305

■ 0.0000, 0.0000,
1.4638

■ 0.0000, 0.0000,
0.1908

■ 47.1795, 35.7847,
86.8586

■ 47.1795, 35.7847,
86.8586

■ 41.5251, 28.3567,
85.7235

■ 53.7855, 44.8310,
88.2571

■ 36.7636, 22.4390,
84.8322

■ 61.3891, 55.5858,
89.9323

■ 32.8351, 17.9166,
84.1663

■ 70.0378, 68.1372,
91.8991

■ 29.6697, 14.6557,
83.7037

■ 79.7747, 82.5664,
94.1710

■ 27.1831, 12.4941,
83.4176

■ 89.9977, 97.6636,
96.5463

■ 25.7436, 11.4544,
83.2928

■ 92.7283, 99.0713,
96.6741

Harmonies

Analogous

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



38.0988, 35.7847, 109.0722



47.1795, 35.7847, 86.8586



53.2374, 35.7847, 54.9204

Triad

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



47.1795, 35.7847, 86.8586



39.2038, 35.7847, 8.3035



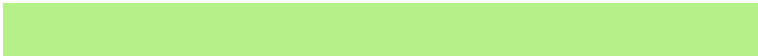
19.8911, 35.7847, 51.3475

Complementary

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



47.1795, 35.7847, 86.8586



54.9679, 74.0722, 35.0686

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.



20.0819, 35.7847, 26.4419



47.1795, 35.7847, 86.8586



30.2289, 35.7847, 8.0287

Square

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



47.1795, 35.7847, 86.8586



48.1095, 35.7847, 14.0561



23.5557, 35.7847, 13.0054



22.9790, 35.7847, 83.2786

Rectangle

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



47.1795, 35.7847, 86.8586



54.1881, 35.7847, 36.2455



23.5557, 35.7847, 13.0054



19.5925, 35.7847, 41.8140

Sweetspot

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



47.1808, 35.7862, 86.8594



80.2424, 77.9988, 105.4338



43.0517, 45.6226, 88.9757



16.6828, 15.9744, 22.4540



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.



47.1808, 35.7862, 86.8594



48.7141, 33.9051, 98.5846



59.8555, 42.4074, 83.5151



15.7490, 15.6678, 19.9157



14.2479, 6.3504, 45.6027



1.2993, 0.5871, 3.7991

Inverse Universe

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



53.3254, 39.7953, 49.1279



56.9868, 39.2824, 48.7089



46.3715, 69.5969, 36.6412



16.0596, 15.8736, 17.8701



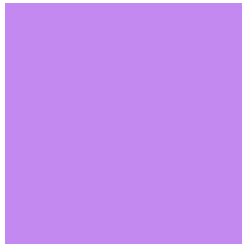
21.1273, 10.7234, 8.5870



1.8067, 0.9117, 0.9730

Previews

White Background



This preview shows how the XYZ color 47.1795, 35.7847, 86.8586 looks on a white background.

Color Contrast Check

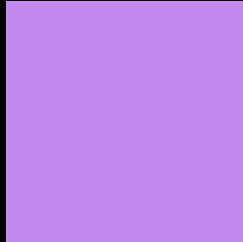
Large Text (above 18pt) WCAG AA × Fail

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 47.1795, 35.7847, 86.8586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

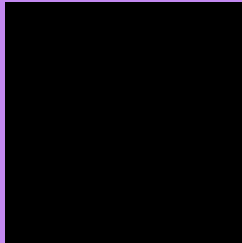
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1795, 35.7847, 86.8586

Background



This preview shows how black text looks on a background with the XYZ color 47.1795, 35.7847, 86.8586.



This preview shows how white text looks on a background with the XYZ color 47.1795, 35.7847,

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

47.1795, 35.7847, 86.8586

Protanopia

38.7343, 36.0337, 99.5214

Deuteranopia

36.9263, 35.9651, 83.5930



Tritanopia

37.8756, 35.8951, 40.5295

Trichromacy



Original Color

47.1795, 35.7847, 86.8586



Protanomaly

40.7393, 35.1989, 95.0893



Deuteranomaly

39.8407, 35.4409, 84.8617



Tritanomaly

40.5978, 35.5504, 54.5913

Monochromacy



Original Color

47.1795, 35.7847, 86.8586



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.4784, 36.6401, 55.4436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1795, 35.7847, 86.8586 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(195, 137, 240)` looks like.

```
.text, #text, p{  
    color:rgb(195, 137, 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(195, 137, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 137, 240) }
```

Border

The CSS property to change the border of an element to XYZ 47.1795, 35.7847, 86.8586 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(195, 137, 240) }
```


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

```
.border{ border-color:rgb(195, 137, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 137, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 137, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 137, 240);  
box-shadow:4px 4px 4px 4px rgb(195, 137,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1795, 35.7847, 86.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 137, 240) }
```

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

```
.background{ background-color: rgb(195,  
137, 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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