

Converting Colors

XYZ(47.3095, 36.5262, 85.4310)

Have a look what the booklet for
XYZ(47.3095, 36.5262, 85.4310)
contains.

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Color

**XYZ(47.3164, 36.5313,
85.4463)**

Conversions

Conversions Part 1

Format	Color
Hex	C38CEE
RGB	195, 140, 238
RGB Percent	76%, 55%, 93%
CMY	0.2353, 0.4510, 0.0667
CMYK	0.18, 0.41, 0.00, 0.07
HSL	274°, 74%, 74%
HSV	274°, 41%, 93%
XYZ	47.3164, 36.5313, 85.4463
YIQ	167.6170, 1.3220, 42.1380

Conversions

Conversions Part 2

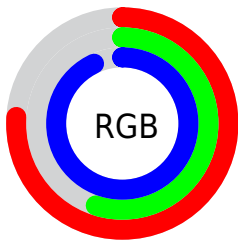
Format	Color
R _Y B	195, 140, 238
Decimal	12815598
CIE Lab	66.92, 38.84, -41.50
CIE LCh	67, 56.845, 313.102
Yxy	36.5313, 0.2795, 0.2158
Android (android.graphics.Color)	4291005678 (0xFFC38CEE)
YUV	167.6170, 34.6988, 24.0149
Hunter-Lab	60.4411, 33.9669, -41.5101

Details

The XYZ color **47.3164, 36.5313, 85.4463** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.8375, 73.1106, 36.0339**, and the grayscale version is **36.8681, 38.7881, 42.2403**.

A 20% lighter version of the original color is **77.8498, 66.6862, 103.3763**, and **22.6633, 16.0111, 46.1519** is the 20% darker color. If you saturate the color by 10%, you get **41.6032, 28.9705, 84.2886**, and if you desaturate by 10%, it is **53.9730, 45.6964, 86.8651**.

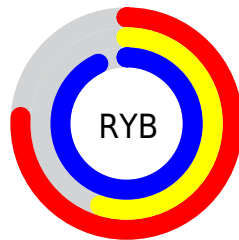
Distribution



Red (76%)

Green (55%)

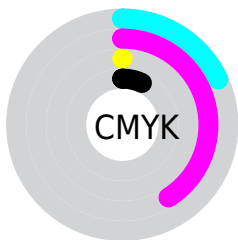
Blue (93%)



Red (76%)

Yellow (55%)

Blue (93%)

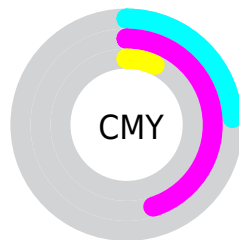


Cyan (18%)

Magenta (41%)

Yellow (0%)

Black (7%)



Cyan (24%)


Magenta (45%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3164, 36.5313, 85.4463 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 47.3164, 36.5313, 85.4463 by changing the saturation by 10% instead.

 47.3164, 36.5313,
85.4463


 47.3164, 36.5313,
85.4463

366.7039,
331.2768, 533.2867

 33.4948, 24.8448,
63.6579


 85.4016, 69.8513,
142.8763

 22.6668, 15.9615,
45.9293


 110.3959, 92.2537,
179.3549

 14.4670, 9.4969,
31.8417


 139.8453,
118.9967, 221.5674

 8.5301, 5.0667,
20.9768

174.1149,
150.4649, 269.9324

 4.4906, 2.2864,
12.9160

213.5702,
187.0426, 324.8682

 1.9833, 0.7665,
7.2407

258.5766,

 0.6245, 0.0000,

229.1142, 386.7935

3.5323

309.4994,
277.0642, 456.1269

■ 0.0000, 0.0000,
1.3725

■ 0.0000, 0.0000,
0.1201

■ 47.3164, 36.5313,
85.4463

■ 47.3164, 36.5313,
85.4463

■ 41.6032, 28.9705,
84.2886

■ 53.9730, 45.6964,
86.8651

■ 36.7766, 22.9096,
83.3732

■ 61.6173, 56.5524,
88.5576

■ 32.7793, 18.2386,
82.6823

■ 70.2954, 69.1849,
90.5386

■ 29.5443, 14.8298,
82.1948

■ 80.0490, 83.6722,
92.8208

■ 26.9921, 12.5304,
81.8855

■ 89.6269, 97.5066,
94.9863

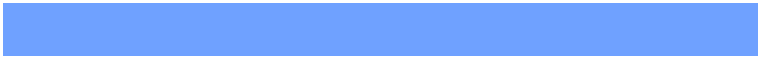
■ 25.1964, 11.2064,
81.7246

■ 92.4327, 98.9531,
95.1176

Harmonies

Analogous

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



38.6144, 36.5313, 106.1897



47.3164, 36.5313, 85.4463



53.1073, 36.5313, 55.2217

Triad

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



47.3164, 36.5313, 85.4463



39.7631, 36.5313, 9.4602



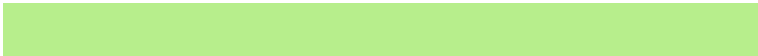
20.9572, 36.5313, 51.5302

Complementary

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



47.3164, 36.5313, 85.4463



54.8375, 73.1106, 36.0339

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.



21.1606, 36.5313, 27.5184



47.3164, 36.5313, 85.4463



31.1002, 36.5313, 9.1515

Square

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



47.3164, 36.5313, 85.4463



48.2763, 36.5313, 15.3672



24.5877, 36.5313, 14.2186



23.9765, 36.5313, 81.8006

Rectangle

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



47.3164, 36.5313, 85.4463



54.0299, 36.5313, 37.2634



24.5877, 36.5313, 14.2186



20.6678, 36.5313, 42.3998

Sweetspot

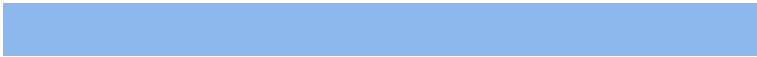
The Sweet Spot groups the original color and five complimentary colors.



47.3177, 36.5328, 85.4471



81.2851, 79.5485, 105.6779



43.4103, 46.0724, 87.4944



17.1014, 16.5912, 22.5510



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.



47.3177, 36.5328, 85.4471



49.9057, 35.5021, 98.8300



59.3612, 42.8235, 82.3035



15.7460, 15.6663, 19.9156



14.2082, 6.3300, 45.6008



1.2961, 0.5854, 3.7989

Inverse Universe

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



53.1862, 40.3535, 49.7865



57.9730, 40.7360, 50.6367



46.4940, 68.7666, 37.5719



16.0609, 15.8741, 17.8768



21.1402, 10.7285, 8.6546



1.8078, 0.9122, 0.9789

Previews

White Background



This preview shows how the XYZ color 47.3164, 36.5313, 85.4463 looks on a white background.

Color Contrast Check

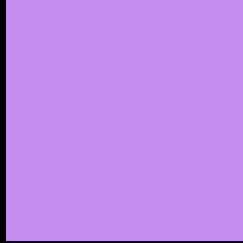
Large Text (above 18pt) WCAG AA × Fail

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 47.3164, 36.5313, 85.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

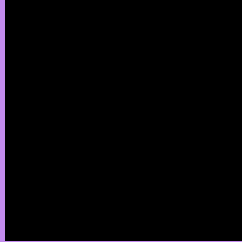
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3164, 36.5313, 85.4463

Background



This preview shows how black text looks on a background with the XYZ color 47.3164, 36.5313, 85.4463.



This preview shows how white text looks on a background with the XYZ color 47.3164, 36.5313,

85.4463.

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

47.3164, 36.5313, 85.4463

Protanopia

39.5229, 36.9508, 99.6569

Deuteranopia

37.9250, 37.0154, 82.9877



Tritanopia

38.2248, 36.3000, 41.5511

Trichromacy



Original Color

47.3164, 36.5313, 85.4463



Protanomaly

41.4390, 36.2974, 94.4446



Deuteranomaly

40.4556, 36.2775, 83.4673



Tritanomaly

41.0255, 36.2277, 55.2825

Monochromacy



Original Color

47.3164, 36.5313, 85.4463



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.2126, 37.7690, 55.6228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3164, 36.5313, 85.4463 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, 140, 238)` looks like.

```
.text, #text, p{  
    color:rgb(195, 140, 238)  
}
```

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, 140, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 140, 238) }
```

Border

The CSS property to change the border of an element to XYZ 47.3164, 36.5313, 85.4463 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, 140, 238) }
```


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

```
.border{ border-color:rgb(195, 140, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 140, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 140, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 140, 238);  
box-shadow:4px 4px 4px 4px rgb(195, 140,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3164, 36.5313, 85.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 140, 238) }
```

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

```
.background{ background-color: rgb(195,  
140, 238) }
```

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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