

Converting Colors

XYZ(46.5498, 36.6315, 97.9384)

Have a look what the booklet for
XYZ(46.5498, 36.6315, 97.9384)
contains.

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Color

**XYZ(46.3745, 36.4401,
97.5179)**

Conversions

Conversions Part 1

Format	Color
Hex	B48FFD
RGB	180, 143, 253
RGB Percent	71%, 56%, 99%
CMY	0.2941, 0.4392, 0.0078
CMYK	0.29, 0.43, 0.00, 0.01
HSL	260°, 96%, 78%
HSV	260°, 43%, 99%
XYZ	46.3745, 36.4401, 97.5179
YIQ	166.6030, -13.2580, 42.0540

Conversions

Conversions Part 2

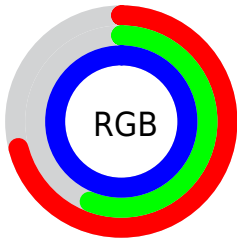
Format	Color
RYB	180, 143, 253
Decimal	11833341
CIELab	66.85, 36.49, -49.93
CIElCh	67, 61.845, 306.162
Yxy	36.4401, 0.2572, 0.2021
Android (android.graphics.Color)	4290023421 (0xFFB48FFD)
YUV	166.6030, 42.5937, 11.7492
Hunter-Lab	60.3656, 31.4886, -53.5243

Details

The XYZ color **46.3745, 36.4401, 97.5179** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.4027, 86.8333, 39.1432**, and the grayscale version is **36.3432, 38.2359, 41.6389**.

A 20% lighter version of the original color is **73.2761, 65.3296, 103.3556**, and **22.1031, 15.9249, 54.1334** is the 20% darker color. If you saturate the color by 10%, you get **39.3213, 27.7881, 96.2203**, and if you desaturate by 10%, it is **54.7603, 47.0517, 99.1248**.

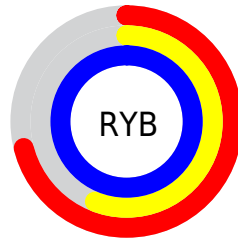
Distribution



Red (71%)

Green (56%)

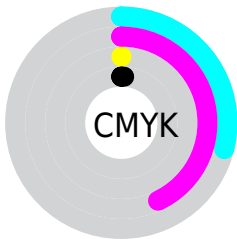
Blue (99%)



Red (71%)

Yellow (56%)

Blue (99%)

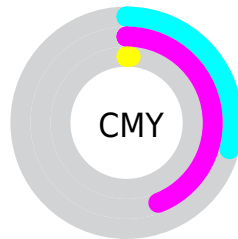


Cyan (29%)

Magenta (43%)

Yellow (0%)

Black (1%)



Cyan (29%)


Magenta (44%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3745, 36.4401, 97.5179 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 46.3745, 36.4401, 97.5179 by changing the saturation by 10% instead.


 46.3745, 36.4401,
97.5179

 46.3745, 36.4401,
97.5179

363.0030,
330.8801, 573.3837

 32.7473, 24.7743,
73.6240


 84.0036, 69.7108,
159.7640

 22.0913, 15.9090,
53.9914


 108.7363, 92.0845,
198.9533

 14.0409, 9.4598,
38.2017


137.9015,
118.7963, 244.0780

 8.2310, 5.0423,
25.8362

171.8646,
150.2305, 295.5569

 4.2962, 2.2721,
16.4765

210.9909,
186.7716, 353.8083

 1.8710, 0.7589,
9.7039

255.6459,

 0.5599, 0.0000,

228.8040, 419.2509

5.1001

306.1948,
276.7120, 492.3032

■ 0.0000, 0.0000,
2.2463

■ 0.0000, 0.0000,
0.7009

■ 46.3745, 36.4401,
97.5179

■ 46.3745, 36.4401,
97.5179

■ 39.3213, 27.7881,
96.2203

■ 54.7603, 47.0517,
99.1248

■ 33.5215, 20.9661,
95.2092

■ 64.5434, 59.7326,
101.0569

■ 28.8929, 15.8354,
94.4628

■ 75.7890, 74.5893,
103.3318

■ 25.3408, 12.2343,
93.9550

■ 88.5569, 91.7195,
105.9653

■ 22.7522, 9.9673,
93.6538

94.7297, 99.8719,
107.2135

■ 21.4854, 9.0280,
93.5393

Harmonies

Analogous

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



36.6027, 36.4401, 116.1282



46.3745, 36.4401, 97.5179



53.8384, 36.4401, 64.3606

Triad

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



46.3745, 36.4401, 97.5179



42.4282, 36.4401, 8.7430



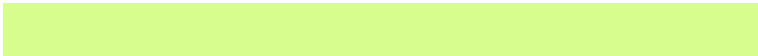
19.6490, 36.4401, 45.4694

Complementary

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



46.3745, 36.4401, 97.5179



68.4027, 86.8333, 39.1432

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.



20.6461, 36.4401, 22.2817



46.3745, 36.4401, 97.5179



32.7395, 36.4401, 7.3314

Square

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



46.3745, 36.4401, 97.5179



51.2881, 36.4401, 16.3760



25.0658, 36.4401, 10.9201



22.0445, 36.4401, 78.5138

Rectangle

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



46.3745, 36.4401, 97.5179



55.8691, 36.4401, 43.2275



25.0658, 36.4401, 10.9201



19.6054, 36.4401, 36.3266

Sweetspot

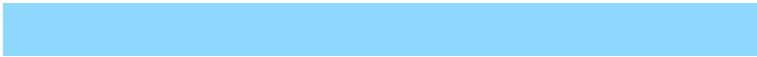
The Sweet Spot groups the original color and five complimentary colors.



46.3759, 36.4415, 97.5188



77.7360, 76.7067, 105.3165



53.6997, 62.2153, 102.1076



16.0661, 15.6565, 22.4252



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.



46.3759, 36.4415, 97.5188



40.9958, 29.4533, 98.1321



61.7040, 44.3435, 98.2361



17.5788, 17.6746, 22.7350



11.5675, 4.8737, 49.7656



1.2371, 0.5316, 4.8507

Inverse Universe

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



62.7260, 45.4866, 70.4398



59.9311, 39.9505, 65.7848



54.8495, 79.8463, 38.5089



18.5177, 18.1904, 21.3434



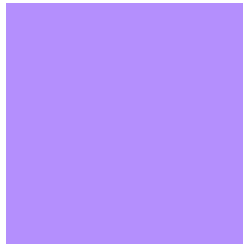
25.3742, 12.6390, 21.1531



2.5216, 1.2510, 2.3279

Previews

White Background



This preview shows how the XYZ color 46.3745, 36.4401, 97.5179 looks on a white background.

Color Contrast Check

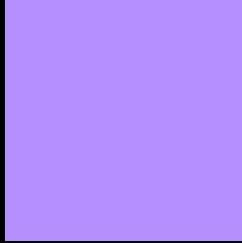
Large Text (above 18pt) WCAG AA × Fail

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 46.3745, 36.4401, 97.5179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

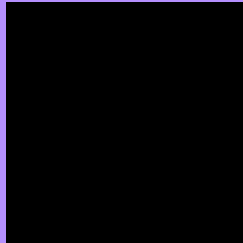
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3745, 36.4401, 97.5179

Background



This preview shows how black text looks on a background with the XYZ color 46.3745, 36.4401, 97.5179.



This preview shows how white text looks on a background with the XYZ color 46.3745, 36.4401,

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

46.3745, 36.4401, 97.5179

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.7649, 36.6733, 94.7108



Tritanopia

35.8047, 36.5062, 44.6945

Trichromacy



Original Color

46.3745, 36.4401, 97.5179

Protanomaly

41.2991, 36.3780, 98.6109

Deuteranomaly

40.1320, 36.0956, 95.2944

Tritanomaly

38.7938, 35.9215, 60.7660

Monochromacy



Original Color

46.3745, 36.4401, 97.5179

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.4332, 37.3016, 58.5477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3745, 36.4401, 97.5179 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(180, 143, 253)` looks like.

```
.text, #text, p{  
    color:rgb(180, 143, 253)  
}
```

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(180, 143, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 143, 253) }
```

Border

The CSS property to change the border of an element to XYZ 46.3745, 36.4401, 97.5179 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(180, 143, 253) }
```


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

```
.border{ border-color:rgb(180, 143, 253) }
```

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

Here you see how a box with a 4 pixel rgb(180, 143, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 143, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 143, 253);  
box-shadow:4px 4px 4px 4px rgb(180, 143,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3745, 36.4401, 97.5179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 143, 253) }
```

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

```
.background{ background-color: rgb(180,  
143, 253) }
```

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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