

Converting Colors

XYZ(47.0427, 32.0507, 91.9861)

Have a look what the booklet for
XYZ(47.0427, 32.0507, 91.9861)
contains.

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Color

**XYZ(46.9385, 32.0512,
91.7082)**

Conversions

Conversions Part 1

Format	Color
Hex	C777F7
RGB	199, 119, 247
RGB Percent	78%, 47%, 97%
CMY	0.2196, 0.5333, 0.0314
CMYK	0.19, 0.52, 0.00, 0.03
HSL	278°, 89%, 72%
HSV	278°, 52%, 97%
XYZ	46.9385, 32.0512, 91.7082
YIQ	157.5120, 6.5920, 56.7680

Conversions

Conversions Part 2

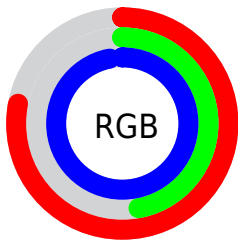
Format	Color
R _Y B	199, 119, 247
Decimal	13072375
CIE Lab	63.39, 53.04, -52.01
CIE LCh	63, 74.281, 315.563
Yxy	32.0512, 0.2750, 0.1878
Android (android.graphics.Color)	4291262455 (0xFFC777F7)
YUV	157.5120, 44.1176, 36.3850
Hunter-Lab	56.6138, 48.9203, -56.4137

Details

The XYZ color **46.9385, 32.0512, 91.7082** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **52.5277, 76.0696, 29.3684**, and the grayscale version is **32.0848, 33.7557, 36.7600**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **22.3978, 13.3649, 50.1144** is the 20% darker color. If you saturate the color by 10%, you get **41.9887, 25.6887, 90.7415**, and if you desaturate by 10%, it is **52.8041, 40.0207, 92.9379**.

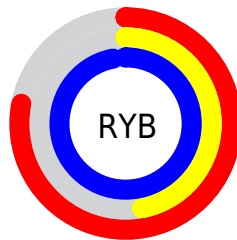
Distribution



Red (78%)

Green (47%)

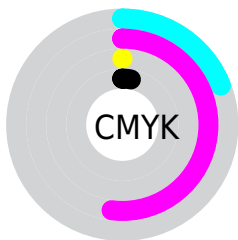
Blue (97%)



Red (78%)

Yellow (47%)

Blue (97%)

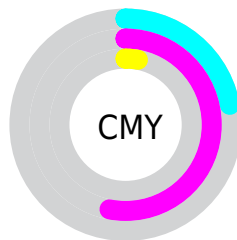


Cyan (19%)

Magenta (52%)

Yellow (0%)

Black (3%)



Cyan (22%)


Magenta (53%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9385, 32.0512, 91.7082 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 46.9385, 32.0512, 91.7082 by changing the saturation by 10% instead.


 46.9385, 32.0512,
91.7082

 46.9385, 32.0512,
91.7082

365.2220,
311.3524, 554.2849

 33.1948, 21.4006,
68.8166

 84.8411, 62.8913,
151.6651

 22.4357, 13.4171,
50.0915


 109.7307, 83.8497,
189.5675

 14.2958, 7.7164,
35.1145

 139.0663,
109.0127, 233.3105

 8.4097, 3.9140,
23.4668

173.2133,
138.7649, 283.3128

 4.4122, 1.6256,
14.7300

212.5370,
173.4905, 339.9928

 1.9379, 0.3748,
8.4856

257.4028,

 0.5987, 0.0000,

213.5741, 403.7692

4.3150

308.1760,
259.3999, 475.0603

■ 0.0000, 0.0000,
1.7997

■ 0.0000, 0.0000,
0.4278

■ 46.9385, 32.0512,
91.7082

■ 46.9385, 32.0512,
91.7082

■ 41.9887, 25.6887,
90.7415

■ 52.8041, 40.0207,
92.9379

■ 37.8879, 20.8071,
90.0154

■ 59.6382, 49.7028,
94.4465

■ 34.5648, 17.2670,
89.5073

■ 67.4938, 61.1981,
96.2513

■ 31.9331, 14.8994,
89.1890

■ 76.4186, 74.5985,
98.3674

■ 30.1868, 13.6225,
89.0345

■ 86.4570, 89.9894,
100.8091

■ 93.6331, 99.4153,
102.2502

■ 93.7886, 99.4954,
102.2575

Harmonies

Analogous

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



36.1025, 32.0512, 123.2370



46.9385, 32.0512, 91.7082



53.9987, 32.0512, 51.0676

Triad

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



46.9385, 32.0512, 91.7082



35.6826, 32.0512, 3.7267



15.0698, 32.0512, 52.4696

Complementary

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



46.9385, 32.0512, 91.7082



52.5277, 76.0696, 29.3684

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.



15.0068, 32.0512, 22.5625



46.9385, 32.0512, 91.7082



25.4449, 32.0512, 3.7921

Square

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



46.9385, 32.0512, 91.7082



46.5719, 32.0512, 8.0190



18.3803, 32.0512, 8.3187



18.5777, 32.0512, 93.2190

Rectangle

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



46.9385, 32.0512, 91.7082



54.7833, 32.0512, 29.6753



18.3803, 32.0512, 8.3187



14.6768, 32.0512, 40.7008

Sweetspot

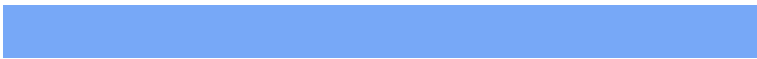
The Sweet Spot groups the original color and five complimentary colors.



46.9397, 32.0525, 91.7089



77.9807, 73.8873, 104.7594



38.4123, 38.6685, 93.4354



16.2689, 15.1814, 22.3228



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.



46.9397, 32.0525, 91.7089



45.0059, 27.4483, 97.5337



59.5304, 38.7989, 80.7457



16.5763, 16.4398, 20.8421



16.1273, 7.2882, 47.0948



1.5310, 0.6991, 4.1445

Inverse Universe

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



51.9305, 35.7590, 40.7253



51.5220, 32.1976, 35.0347



45.1679, 72.1636, 34.0796



16.7561, 16.5853, 18.4625



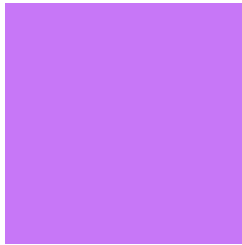
21.3855, 10.8976, 6.7385



1.9277, 0.9770, 0.8457

Previews

White Background



This preview shows how the XYZ color 46.9385, 32.0512, 91.7082 looks on a white background.

Color Contrast Check

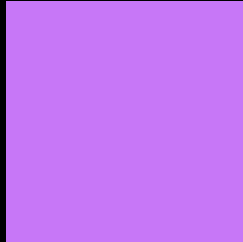
Large Text (above 18pt) WCAG AA × Fail

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 46.9385, 32.0512, 91.7082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

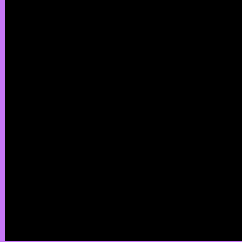
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9385, 32.0512, 91.7082

Background



This preview shows how black text looks on a background with the XYZ color 46.9385, 32.0512, 91.7082.

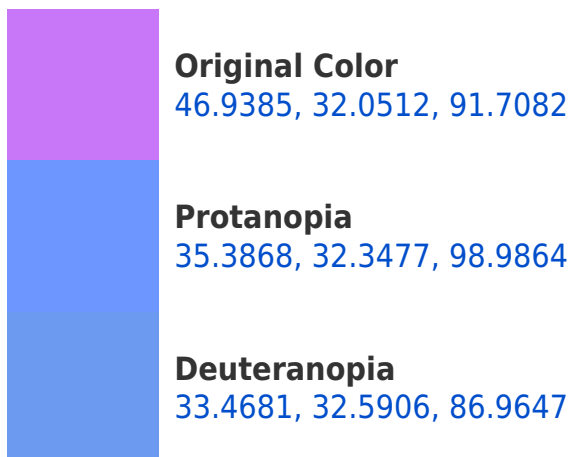


This preview shows how white text looks on a background with the XYZ color 46.9385, 32.0512,

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

35.1899, 31.8363, 34.4273

Trichromacy



Original Color

46.9385, 32.0512, 91.7082



Protanomaly

37.9586, 31.2443, 96.1256



Deuteranomaly

36.6870, 31.1835, 88.8794



Tritanomaly

38.4810, 31.4569, 51.0573

Monochromacy



Original Color

46.9385, 32.0512, 91.7082



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.5011, 32.5485, 53.0739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9385, 32.0512, 91.7082 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(199, 119, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 119, 247)  
}
```

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(199, 119, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 119, 247) }
```

Border

The CSS property to change the border of an element to XYZ 46.9385, 32.0512, 91.7082 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(199, 119, 247) }
```


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

```
.border{ border-color:rgb(199, 119, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 119, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 119, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 119, 247);  
box-shadow:4px 4px 4px 4px rgb(199, 119,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9385, 32.0512, 91.7082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 119, 247) }
```

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

```
.background{ background-color: rgb(199,  
119, 247) }
```

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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