

Converting Colors

XYZ(46.3514, 34.8110, 73.0634)

Have a look what the booklet for
XYZ(46.3514, 34.8110, 73.0634)
contains.

XYZ(46.4742, 34.8864, 73.3915)	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(46.4742, 34.8864,
73.3915)**

Conversions

Conversions Part 1

Format	Color
Hex	CC85DE
RGB	204, 133, 222
RGB Percent	80%, 52%, 87%
CMY	0.2000, 0.4784, 0.1294
CMYK	0.08, 0.40, 0.00, 0.13
HSL	288°, 57%, 70%
HSV	288°, 40%, 87%
XYZ	46.4742, 34.8864, 73.3915
YIQ	164.3750, 13.7470, 42.7310

Conversions

Conversions Part 2

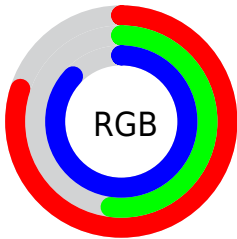
Format	Color
RYB	204, 133, 222
Decimal	13403614
CIELab	65.66, 41.92, -34.56
CIELCh	66, 54.336, 320.496
Yxy	34.8864, 0.3003, 0.2254
Android (android.graphics.Color)	4291593694 (0xFFCC85DE)
YUV	164.3750, 28.4091, 34.7511
Hunter-Lab	59.0647, 37.0869, -32.3261

Details

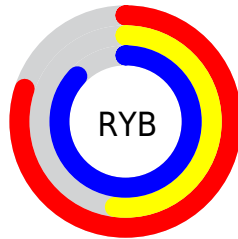
The XYZ color **46.4742, 34.8864, 73.3915** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.1186, 60.5162, 31.6002**, and the grayscale version is **35.3305, 37.1705, 40.4787**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **22.1302, 14.9708, 38.2825** is the 20% darker color. If you saturate the color by 10%, you get **42.5373, 28.8125, 72.4271**, and if you desaturate by 10%, it is **51.0912, 42.2661, 74.5731**.

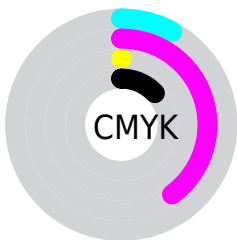
Distribution



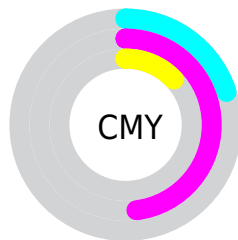
- Red (80%)
- Green (52%)
- Blue (87%)



- Red (80%)
- Yellow (52%)
- Blue (87%)



- Cyan (8%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)





- Cyan (20%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4742, 34.8864, 73.3915 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 46.4742, 34.8864, 73.3915 by changing the saturation by 10% instead.


 46.4742, 34.8864,
73.3915


 46.4742, 34.8864,
73.3915

363.3959,
324.0666, 491.4777


 32.8264, 23.5754,
53.8024

 84.1518, 67.3097,
125.7589

 22.1521, 15.0189,
38.0516


 108.9122, 89.1909,
159.3743

 14.0859, 8.8327,
25.7206


 138.1076,
115.3641, 198.5021

 8.2625, 4.6322,
16.3908

172.1033,
146.2140, 243.5610

 4.3166, 2.0331,
9.6438

211.2646,
182.1247, 294.9695

 1.8828, 0.6266,
5.0609

255.9569,

 0.5668, 0.0000,

223.4808, 353.1460

2.2237

306.5455,
270.6667, 418.5093

■ 0.0000, 0.0000,
0.6880

■ 0.0000, 0.0000,
0.0000

■ 46.4742, 34.8864,
73.3915

■ 46.4742, 34.8864,
73.3915

■ 42.5373, 28.8125,
72.4271

■ 51.0912, 42.2661,
74.5731

■ 39.2359, 23.9581,
71.6642

■ 56.4223, 51.0217,
75.9821

■ 36.5252, 20.2336,
71.0881

■ 62.5033, 61.2237,
77.6308

■ 34.3532, 17.5350,
70.6817

■ 69.3667, 72.9364,
79.5299

■ 32.6578, 15.7386,
70.4243

■ 77.0427, 86.2200,
81.6893

■ 31.3397, 14.6331,
70.2804

■ 81.8808, 93.7730,
82.8922

■ 83.3482, 94.5295,
82.9608

■ 84.8531, 95.3053,
83.0313

■ 86.3957, 96.1005,
83.1035

Harmonies

Analogous

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



38.8312, 34.8864, 95.8658



46.4742, 34.8864, 73.3915



50.7266, 34.8864, 45.7193

Triad

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



46.4742, 34.8864, 73.3915



35.7591, 34.8864, 9.0255



20.7542, 34.8864, 55.5588

Complementary

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



46.4742, 34.8864, 73.3915



43.1186, 60.5162, 31.6002

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.



20.2021, 34.8864, 31.1768



46.4742, 34.8864, 73.3915



28.0670, 34.8864, 9.8880

Square

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



46.4742, 34.8864, 73.3915



43.9176, 34.8864, 13.1537



22.6653, 34.8864, 16.3154



24.3179, 34.8864, 83.0257

Rectangle

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



46.4742, 34.8864, 73.3915



50.6654, 34.8864, 30.5238



22.6653, 34.8864, 16.3154



20.2353, 34.8864, 46.5734

Sweetspot

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



46.4754, 34.8879, 73.3923



83.8130, 80.8517, 105.7963



34.1334, 32.8107, 73.6418



17.6980, 16.8987, 22.5790



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.



46.4754, 34.8879, 73.3923



59.0948, 40.7493, 99.3585



48.5660, 36.3274, 57.1465



14.0093, 13.7884, 17.3107



18.7084, 8.7398, 41.7493



1.3664, 0.6417, 2.8971

Inverse Universe

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



44.0988, 34.5405, 33.6224



55.6890, 40.3722, 36.9148



41.9856, 59.7061, 41.7587



13.8200, 13.7456, 14.8224



18.2053, 9.3491, 2.4810



1.2939, 0.6608, 0.3407

Previews

White Background



This preview shows how the XYZ color 46.4742, 34.8864, 73.3915 looks on a white background.

Color Contrast Check

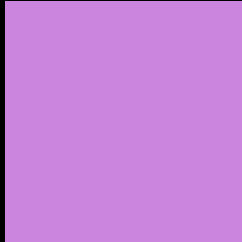
Large Text (above 18pt) WCAG AA × Fail

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 46.4742, 34.8864, 73.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

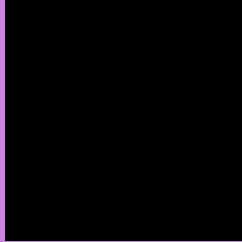
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4742, 34.8864, 73.3915

Background



This preview shows how black text looks on a background with the XYZ color 46.4742, 34.8864, 73.3915.

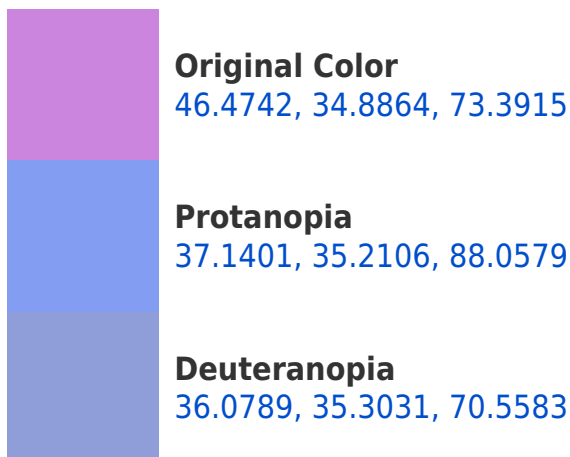


This preview shows how white text looks on a background with the XYZ color 46.4742, 34.8864,

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

39.1110, 34.9382, 37.0301

Trichromacy



Original Color

46.4742, 34.8864, 73.3915

Protanomaly

39.3458, 34.2884, 82.3865

Deuteranomaly

39.0507, 34.6087, 71.6398

Tritanomaly

41.3022, 34.6880, 48.2346

Monochromacy



Original Color

46.4742, 34.8864, 73.3915

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.7386, 35.8690, 50.7806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4742, 34.8864, 73.3915 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(204, 133, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 133, 222)  
}
```

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(204, 133, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 133, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.4742, 34.8864, 73.3915 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(204, 133, 222) }
```


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

```
.border{ border-color:rgb(204, 133, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 133, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 133, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 133, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 133,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4742, 34.8864, 73.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 133, 222) }
```

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

```
.background{ background-color: rgb(204,  
133, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor