

Converting Colors

XYZ(46.7391, 35.2205, 64.5389)

Have a look what the booklet for
XYZ(46.7391, 35.2205, 64.5389)
contains.

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Color

**XYZ(46.7601, 35.2274,
64.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	D385D1
RGB	211, 133, 209
RGB Percent	83%, 52%, 82%
CMY	0.1725, 0.4784, 0.1804
CMYK	0.00, 0.37, 0.01, 0.17
HSL	302°, 47%, 67%
HSV	302°, 37%, 83%
XYZ	46.7601, 35.2274, 64.6566
YIQ	164.9860, 22.0920, 40.1720

Conversions

Conversions Part 2

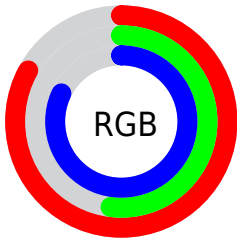
Format	Color
R _Y B	211, 133, 209
Decimal	13862353
CIE Lab	65.93, 41.59, -26.85
CIE LCh	66, 49.504, 327.148
Yxy	35.2274, 0.3189, 0.2402
Android (android.graphics.Color)	4292052433 (0xFFD385D1)
YUV	164.9860, 21.6989, 40.3543
Hunter-Lab	59.3527, 36.7613, -23.0415

Details

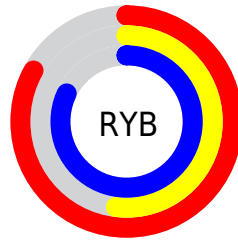
The XYZ color **46.7601, 35.2274, 64.6566** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.3418, 53.3255, 31.2484**, and the grayscale version is **35.6504, 37.5070, 40.8451**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **22.2927, 15.1865, 32.3282** is the 20% darker color. If you saturate the color by 10%, you get **44.0898, 29.9931, 63.4368**, and if you desaturate by 10%, it is **50.0131, 41.6253, 66.0725**.

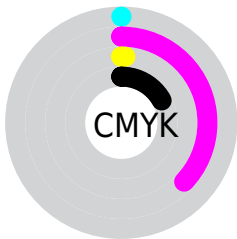
Distribution



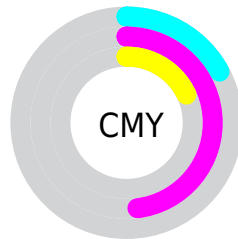
- Red (83%)
- Green (52%)
- Blue (82%)



- Red (83%)
- Yellow (52%)
- Blue (82%)



- Cyan (0%)
- Magenta (37%)
- Yellow (1%)
- Black (17%)





- Cyan (17%)
- Magenta (48%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7601, 35.2274, 64.6566 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 46.7601, 35.2274, 64.6566 by changing the saturation by 10% instead.


 46.7601, 35.2274,
64.6566


 46.7601, 35.2274,
64.6566


364.5211,
325.5709, 459.8293


 33.0532, 23.8381,
46.7331


 84.5763, 67.8379,
113.1646

 22.3266, 15.2136,
32.4719


 109.4164, 89.8279,
144.5861

 14.2150, 8.9694,
21.4544


 138.6982,
116.1202, 181.3441

 8.3531, 4.7212,
13.2621

172.7871,
147.0993, 223.8570

 4.3754, 2.0846,
7.4764

212.0485,
183.1495, 272.5435

 1.9166, 0.6560,
3.6789

256.8477,

 0.5865, 0.0000,

224.6553, 327.8220

1.4509

307.5501,
272.0009, 390.1111

■ 0.0000, 0.0000,
0.1809

■ 0.0000, 0.0000,
0.0000

■ 46.7601, 35.2274,
64.6566

■ 46.7601, 35.2274,
64.6566

■ 44.0898, 29.9931,
63.4368

■ 50.0131, 41.6253,
66.0725

■ 41.9639, 25.8479,
62.3992

■ 53.8775, 49.2462,
67.6929

■ 40.3447, 22.7160,
61.5317

■ 58.3840, 58.1511,
69.5285

■ 39.1886, 20.5097,
60.8197

■ 63.5605, 68.3955,
71.5885

38.4443, 19.1268,
60.2460

69.4330, 80.0316,
73.8817

38.0445, 18.4324,
59.7883

74.5393, 90.1351,
75.9206

37.9551, 18.2854,
59.6602

74.6078, 90.1625,
76.2814

74.6766, 90.1900,
76.6434

74.7455, 90.2175,
77.0066

Harmonies

Analogous

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



40.3277, 35.2274, 86.5971



46.7601, 35.2274, 64.6566



49.6079, 35.2274, 40.3983

Triad

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



46.7601, 35.2274, 64.6566



34.1881, 35.2274, 10.5319



22.4504, 35.2274, 59.8580

Complementary

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



46.7601, 35.2274, 64.6566



37.3418, 53.3255, 31.2484

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.



21.2957, 35.2274, 36.3849



46.7601, 35.2274, 64.6566



27.4595, 35.2274, 12.4989

Square

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



46.7601, 35.2274, 64.6566



41.7171, 35.2274, 13.4733



22.9914, 35.2274, 20.3752



26.4099, 35.2274, 83.1897

Rectangle

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



46.7601, 35.2274, 64.6566



48.8212, 35.2274, 27.6524



22.9914, 35.2274, 20.3752



21.7489, 35.2274, 51.5184

Sweetspot

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



46.7612, 35.2290, 64.6573



86.6298, 83.3446, 105.5229



30.0264, 26.5730, 65.1754



18.3390, 17.4373, 22.5034



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.



46.7612, 35.2290, 64.6573



68.6225, 47.8809, 97.8221



42.5749, 33.5544, 42.6126



12.2972, 12.0036, 14.8407



22.9117, 11.0375, 36.0369



1.2853, 0.6188, 2.0373

Inverse Universe

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



46.7612, 35.2290, 64.6573



68.6225, 47.8809, 97.8221



40.5404, 54.6050, 48.0922



12.2972, 12.0036, 14.8407



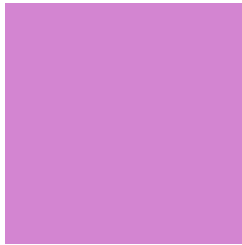
22.9117, 11.0375, 36.0369



1.2853, 0.6188, 2.0373

Previews

White Background



This preview shows how the XYZ color 46.7601, 35.2274, 64.6566 looks on a white background.

Color Contrast Check

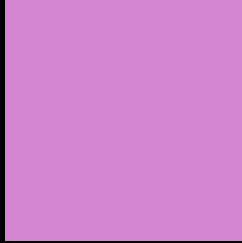
Large Text (above 18pt) WCAG AA × Fail

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 46.7601, 35.2274, 64.6566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

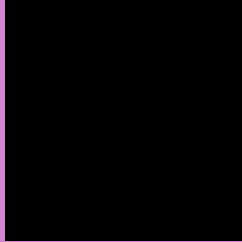
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7601, 35.2274, 64.6566

Background



This preview shows how black text looks on a background with the XYZ color 46.7601, 35.2274, 64.6566.



This preview shows how white text looks on a background with the XYZ color 46.7601, 35.2274,

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

46.7601, 35.2274, 64.6566

Protanopia

36.8779, 35.5441, 78.3158

Deuteranopia

36.2628, 35.5857, 62.0842



Tritanopia

40.7915, 35.1504, 35.6451

Trichromacy



Original Color

46.7601, 35.2274, 64.6566



Protanomaly

39.3156, 34.7147, 73.0351



Deuteranomaly

39.3436, 34.9498, 63.0649



Tritanomaly

42.8481, 35.1167, 45.0773

Monochromacy



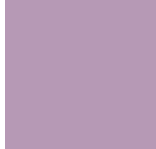
Original Color

46.7601, 35.2274, 64.6566



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.0231, 36.0637, 48.6203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7601, 35.2274, 64.6566 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(211, 133, 209)` looks like.

```
.text, #text, p{  
    color:rgb(211, 133, 209)  
}
```

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(211, 133, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 133, 209) }
```

Border

The CSS property to change the border of an element to XYZ 46.7601, 35.2274, 64.6566 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(211, 133, 209) }
```


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

```
.border{ border-color:rgb(211, 133, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 133, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 133, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 133, 209);  
box-shadow:4px 4px 4px 4px rgb(211, 133,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7601, 35.2274, 64.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 133, 209) }
```

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

```
.background{ background-color: rgb(211,  
133, 209) }
```

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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