

Converting Colors

XYZ(48.4006, 35.1831, 71.8783)

Have a look what the booklet for
XYZ(48.4006, 35.1831, 71.8783)
contains.

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Color

**XYZ(48.5001, 35.1640,
71.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	D681DC
RGB	214, 129, 220
RGB Percent	84%, 51%, 86%
CMY	0.1608, 0.4941, 0.1373
CMYK	0.03, 0.41, 0.00, 0.14
HSL	296°, 57%, 68%
HSV	296°, 41%, 86%
XYZ	48.5001, 35.1640, 71.9412
YIQ	164.7890, 21.4490, 46.3210

Conversions

Conversions Part 2

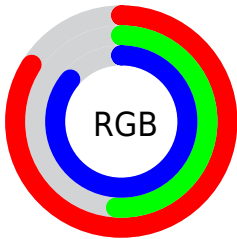
Format	Color
R_{YB}	214, 129, 220
Decimal	14057948
CIE _{Lab}	65.88, 46.64, -33.03
CIE _{LCh}	66, 57.147, 324.692
Yxy	35.1640, 0.3117, 0.2260
Android (android.graphics.Color)	4292248028 (0xFFD681DC)
YUV	164.7890, 27.2190, 43.1580
Hunter-Lab	59.2992, 42.2192, -30.4205

Details

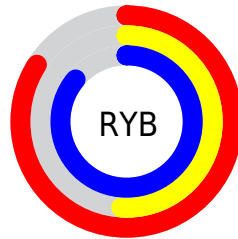
The XYZ color **48.5001, 35.1640, 71.9412** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.5485, 57.9231, 29.8665**, and the grayscale version is **35.5309, 37.3813, 40.7082**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **23.5460, 15.2935, 37.3082** is the 20% darker color. If you saturate the color by 10%, you get **45.4871, 29.7629, 71.0580**, and if you desaturate by 10%, it is **52.1430, 41.8178, 73.0340**.

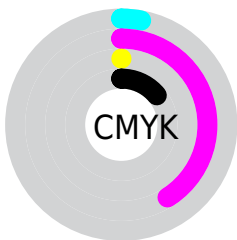
Distribution



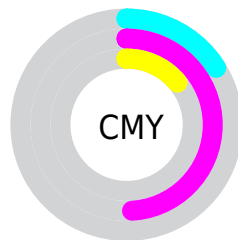
- Red (84%)
- Green (51%)
- Blue (86%)



- Red (84%)
- Yellow (51%)
- Blue (86%)



- Cyan (3%)
- Magenta (41%)
- Yellow (0%)
- Black (14%)





- Cyan (16%)
- Magenta (49%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5001, 35.1640, 71.9412 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 48.5001, 35.1640, 71.9412 by changing the saturation by 10% instead.


 48.5001, 35.1640,
71.9412

 48.5001, 35.1640,
71.9412

371.3207,
325.2916, 486.3089


 34.4360, 23.7892,
52.6241


 87.1537, 67.7398,
123.6799

 23.3932, 15.1773,
37.1171


 112.4740, 89.7095,
156.9385

 15.0064, 8.9439,
25.0017


 142.2770,
115.9798, 195.6814

 8.9102, 4.7046,
15.8593

176.9281,
146.9348, 240.3272

 4.7393, 2.0750,
9.2714

216.7926,
182.9592, 291.2942

 2.1283, 0.6505,
4.8194

262.2360,

 0.7045, 0.0000,

224.4372, 349.0012

2.0848

313.6236,
271.7532, 413.8666

■ 0.0000, 0.0000,
0.6067

■ 0.0000, 0.0000,
0.0000

■ 48.5001, 35.1640,
71.9412

■ 48.5001, 35.1640,
71.9412

■ 45.4871, 29.7629,
71.0580

■ 52.1430, 41.8178,
73.0340

■ 43.0601, 25.5289,
70.3687


■ 56.4492, 49.7932,
74.3465


■ 41.1750, 22.3733,
69.8589


■ 61.4537, 59.1597,
75.8906


■ 39.7801, 20.1924,
69.5115


■ 67.1882, 69.9807,
77.6770


 38.8135, 18.8626,
69.3058


 73.6825, 82.3154,
79.7156

 38.2324, 18.2172,
69.2118

 79.0187, 92.3283,
81.3670

 79.4667, 92.5593,
81.3880

 79.9186, 92.7923,
81.4092

 80.3743, 93.0272,
81.4305

Harmonies

Analogous

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



40.6741, 35.1640, 97.9795



48.5001, 35.1640, 71.9412



52.3357, 35.1640, 42.7520

Triad

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



48.5001, 35.1640, 71.9412



34.9468, 35.1640, 8.1430



20.7346, 35.1640, 61.1828

Complementary

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



48.5001, 35.1640, 71.9412



39.5485, 57.9231, 29.8665

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.



19.7222, 35.1640, 34.1454



48.5001, 35.1640, 71.9412



27.0882, 35.1640, 9.6739

Square

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



48.5001, 35.1640, 71.9412



43.7120, 35.1640, 11.4968



21.8463, 35.1640, 17.2102



24.8892, 35.1640, 90.1504

Rectangle

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



48.5001, 35.1640, 71.9412



51.7161, 35.1640, 27.6635



21.8463, 35.1640, 17.2102



20.0486, 35.1640, 51.3336

Sweetspot

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



48.5013, 35.1655, 71.9419



85.3150, 81.6260, 105.8665



30.6463, 27.1827, 71.3422



18.0536, 17.0821, 22.5956



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.



48.5013, 35.1655, 71.9419



63.9190, 42.2287, 99.3898



45.6627, 34.2361, 47.6862



13.5252, 13.2289, 16.4927



22.4754, 10.7107, 40.6212



1.4822, 0.7073, 2.6329

Inverse Universe

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



41.7398, 32.6670, 27.0286



53.3313, 38.3431, 27.8475



41.7560, 58.6977, 46.3883



13.0907, 13.0654, 13.7388



17.3851, 8.9551, 1.1421



1.1388, 0.5852, 0.1398

Previews

White Background



This preview shows how the XYZ color 48.5001, 35.1640, 71.9412 looks on a white background.

Color Contrast Check

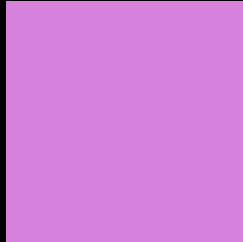
Large Text (above 18pt) WCAG AA × Fail

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 48.5001, 35.1640, 71.9412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

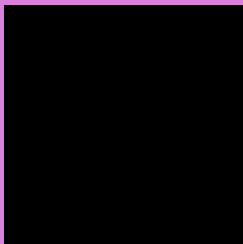
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5001, 35.1640, 71.9412

Background



This preview shows how black text looks on a background with the XYZ color 48.5001, 35.1640, 71.9412.



This preview shows how white text looks on a background with the XYZ color 48.5001, 35.1640,

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

48.5001, 35.1640, 71.9412

Protanopia

37.7646, 35.7501, 89.7041

Deuteranopia

36.3467, 35.4710, 69.2209



Tritanopia

40.8320, 34.9572, 35.1672

Trichromacy



Original Color

48.5001, 35.1640, 71.9412



Protanomaly

40.1271, 34.4427, 83.1304



Deuteranomaly

39.7527, 34.5351, 70.2164



Tritanomaly

43.1368, 34.8012, 46.5632

Monochromacy



Original Color

48.5001, 35.1640, 71.9412



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.5136, 36.0265, 50.7702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5001, 35.1640, 71.9412 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(214, 129, 220)` looks like.

```
.text, #text, p{  
    color:rgb(214, 129, 220)  
}
```

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(214, 129, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 129, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.5001, 35.1640, 71.9412 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(214, 129, 220) }
```


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

```
.border{ border-color:rgb(214, 129, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 129, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 129, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 129, 220); box-shadow:4px 4px 4px 4px rgb(214, 129, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5001, 35.1640, 71.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 129, 220) }
```

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

```
.background{ background-color: rgb(214,  
129, 220) }
```

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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