

Converting Colors

XYZ(48.4182, 35.8959, 64.1544)

Have a look what the booklet for
XYZ(48.4182, 35.8959, 64.1544)
contains.

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Color

**XYZ(48.2517, 35.8083,
64.0431)**

Conversions

Conversions Part 1

Format	Color
Hex	D984D0
RGB	217, 132, 208
RGB Percent	85%, 52%, 82%
CMY	0.1490, 0.4823, 0.1843
CMYK	0.00, 0.39, 0.04, 0.15
HSL	306°, 53%, 68%
HSV	306°, 39%, 85%
XYZ	48.2517, 35.8083, 64.0431
YIQ	166.0790, 26.2640, 41.6560

Conversions

Conversions Part 2

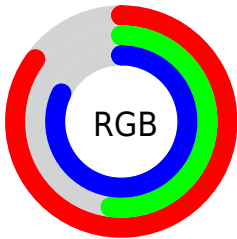
Format	Color
R_{YB}	217, 132, 208
Decimal	14255312
CIE _{Lab}	66.37, 43.81, -25.55
CIE _{LCh}	66, 50.716, 329.750
Yxy	35.8083, 0.3258, 0.2418
Android (android.graphics.Color)	4292445392 (0xFFD984D0)
YUV	166.0790, 20.6671, 44.6577
Hunter-Lab	59.8400, 39.2125, -21.5664

Details

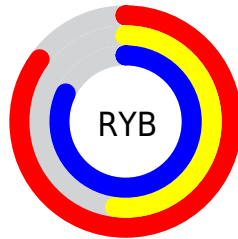
The XYZ color **48.2517, 35.8083, 64.0431** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.1378, 56.4555, 34.0357**, and the grayscale version is **36.1791, 38.0632, 41.4508**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **23.3164, 15.6143, 31.9219** is the 20% darker color. If you saturate the color by 10%, you get **45.3290, 30.4115, 61.6844**, and if you desaturate by 10%, it is **51.7927, 42.4339, 66.6289**.

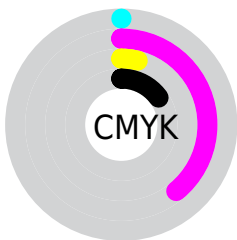
Distribution



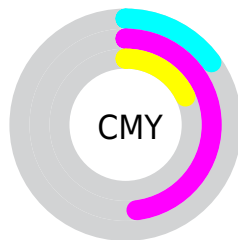
- Red (85%)
- Green (52%)
- Blue (82%)



- Red (85%)
- Yellow (52%)
- Blue (82%)



- Cyan (0%)
- Magenta (39%)
- Yellow (4%)
- Black (15%)





- Cyan (15%)
- Magenta (48%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2517, 35.8083, 64.0431 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 48.2517, 35.8083, 64.0431 by changing the saturation by 10% instead.


 48.2517, 35.8083,
64.0431

 48.2517, 35.8083,
64.0431

370.3549,
328.1219, 457.5570


 34.2383, 24.2862,
46.2392


 86.7865, 68.7361,
112.2731

 23.2405, 15.5460,
32.0846


 112.0386, 90.9105,
143.5362

 14.8929, 9.2035,
21.1608

 141.7677,
117.4045, 180.1228

 8.8301, 4.8742,
13.0492

176.3391,
148.6025, 222.4514

 4.6867, 2.1736,
7.3313

216.1181,
184.8888, 270.9406

 2.0975, 0.7056,
3.5886

261.4702,

 0.6879, 0.0000,

226.6479, 326.0089

1.4025

312.7607,
274.2641, 388.0749

■ 0.0000, 0.0000,
0.1436

■ 0.0000, 0.0000,
0.0000

■ 48.2517, 35.8083,
64.0431

■ 48.2517, 35.8083,
64.0431

■ 45.3290, 30.4115,
61.6844

■ 51.7927, 42.4339,
66.6289

■ 42.9831, 26.1622,
59.5377

■ 55.9837, 50.3535,
69.4512

■ 41.1724, 22.9770,
57.5895

■ 60.8580, 59.6332,
72.5217

■ 39.8485, 20.7590,
55.8235

■ 66.4459, 70.3333,
75.8505

■ 38.9543, 19.3938,
54.2206

■ 72.7756, 82.5106,
79.4471

■ 38.3968, 18.6957,
52.7497

■ 77.5320, 91.5345,
82.5399

■ 38.3558, 18.6480,
52.6301

■ 77.8418, 91.6584,
84.1712

■ 78.1558, 91.7840,
85.8247

■ 78.4741, 91.9113,
87.5005

Harmonies

Analogous

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



41.7969, 35.8083, 87.6569



48.2517, 35.8083, 64.0431



50.8013, 35.8083, 39.1715

Triad

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



48.2517, 35.8083, 64.0431



34.0983, 35.8083, 10.3607



22.8780, 35.8083, 63.6052

Complementary

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



48.2517, 35.8083, 64.0431



39.1378, 56.4555, 34.0357

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.



21.4345, 35.8083, 38.8074



48.2517, 35.8083, 64.0431



27.2985, 35.8083, 12.8067

Square

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



48.2517, 35.8083, 64.0431



41.9232, 35.8083, 12.8935



22.9268, 35.8083, 21.5057



27.2036, 35.8083, 87.3449

Rectangle

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



48.2517, 35.8083, 64.0431



49.6892, 35.8083, 26.5093



22.9268, 35.8083, 21.5057



22.0709, 35.8083, 54.8754

Sweetspot

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



48.2529, 35.8099, 64.0438



85.5359, 81.7996, 103.1766



31.6770, 27.1331, 69.2141



18.1061, 17.1233, 21.9578



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.



48.2529, 35.8099, 64.0438



65.9984, 45.0592, 89.4666



43.7508, 34.0091, 40.3366



13.5519, 13.2498, 16.1674



23.2418, 11.2978, 31.9830



1.5231, 0.7389, 2.1638

Inverse Universe

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



48.2529, 35.8099, 64.0438



65.9984, 45.0592, 89.4666



42.8772, 57.9513, 53.7271



13.5519, 13.2498, 16.1674



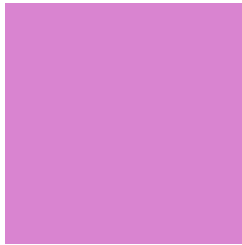
23.2418, 11.2978, 31.9830



1.5231, 0.7389, 2.1638

Previews

White Background



This preview shows how the XYZ color 48.2517, 35.8083, 64.0431 looks on a white background.

Color Contrast Check

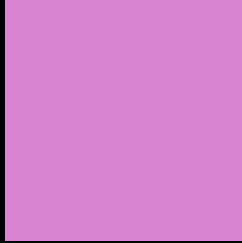
Large Text (above 18pt) WCAG AA × Fail

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 48.2517, 35.8083, 64.0431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

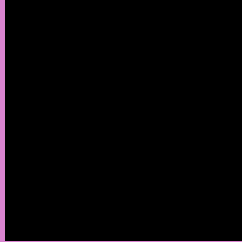
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2517, 35.8083, 64.0431

Background



This preview shows how black text looks on a background with the XYZ color 48.2517, 35.8083, 64.0431.



This preview shows how white text looks on a background with the XYZ color 48.2517, 35.8083,

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

48.2517, 35.8083, 64.0431

Protanopia

37.3562, 36.0289, 79.1141

Deuteranopia

36.8879, 36.1760, 61.5384



Tritanopia

42.2335, 35.6797, 35.2328

Trichromacy



Original Color

48.2517, 35.8083, 64.0431



Protanomaly

39.9470, 35.0402, 73.0646



Deuteranomaly

40.1270, 35.3676, 62.4693



Tritanomaly

44.3132, 35.6674, 44.5933

Monochromacy



Original Color

48.2517, 35.8083, 64.0431



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.9037, 36.7617, 48.7086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2517, 35.8083, 64.0431 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(217, 132, 208)` looks like.

```
.text, #text, p{  
    color:rgb(217, 132, 208)  
}
```

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(217, 132, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 132, 208) }
```

Border

The CSS property to change the border of an element to XYZ 48.2517, 35.8083, 64.0431 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(217, 132, 208) }
```


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

```
.border{ border-color:rgb(217, 132, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 132, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 132, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 132, 208);  
box-shadow:4px 4px 4px 4px rgb(217, 132,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2517, 35.8083, 64.0431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 132, 208) }
```

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

```
.background{ background-color: rgb(217,  
132, 208) }
```

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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