

Converting Colors

XYZ(47.3393, 35.4890, 66.5006)

Have a look what the booklet for
XYZ(47.3393, 35.4890, 66.5006)
contains.

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Color

**XYZ(47.4226, 35.5256,
66.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	D485D4
RGB	212, 133, 212
RGB Percent	83%, 52%, 83%
CMY	0.1686, 0.4784, 0.1686
CMYK	0.00, 0.37, 0.00, 0.17
HSL	300°, 48%, 68%
HSV	300°, 37%, 83%
XYZ	47.4226, 35.5256, 66.6450
YIQ	165.6270, 21.7250, 41.3170

Conversions

Conversions Part 2

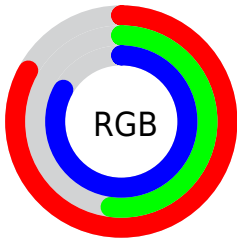
Format	Color
R _Y B	212, 133, 212
Decimal	13927892
CIE Lab	66.16, 42.45, -28.16
CIE LCh	66, 50.942, 326.438
Yxy	35.5256, 0.3170, 0.2375
Android (android.graphics.Color)	4292117972 (0xFFD485D4)
YUV	165.6270, 22.8619, 40.6691
Hunter-Lab	59.6034, 37.7152, -24.5723

Details

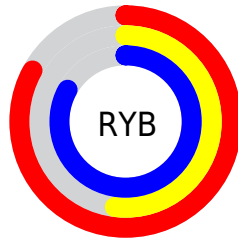
The XYZ color **47.4226, 35.5256, 66.6450** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.4515, 53.7683, 30.5968**, and the grayscale version is **35.9526, 37.8250, 41.1914**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **22.7385, 15.3871, 33.6698** is the 20% darker color. If you saturate the color by 10%, you get **44.8082, 30.2961, 65.7738**, and if you desaturate by 10%, it is **50.6251, 41.9297, 67.7130**.

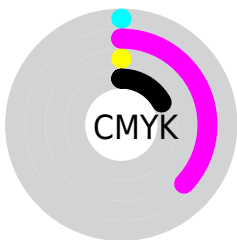
Distribution



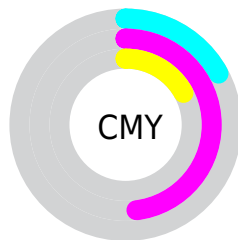
- Red (83%)
- Green (52%)
- Blue (83%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4226, 35.5256, 66.6450 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 47.4226, 35.5256, 66.6450 by changing the saturation by 10% instead.


 47.4226, 35.5256,
66.6450

 47.4226, 35.5256,
66.6450


367.1197,
326.8823, 467.1471


 33.5792, 24.0680,
48.3364


 85.5590, 68.2992,
116.0474

 22.7319, 15.3841,
33.7315


 110.5827, 90.3840,
147.9783

 14.5153, 9.0894,
22.4117


 140.0639,
116.7801, 185.2870

 8.5640, 4.7995,
13.9585

174.3680,
147.8717, 228.3921

 4.5127, 2.1301,
7.9534

213.8602,
184.0434, 277.7121

 1.9961, 0.6815,
3.9778

258.9060,

 0.6318, 0.0000,

225.6794, 333.6656

1.6132

309.8707,
273.1642, 396.6711

■ 0.0000, 0.0000,
0.3002

■ 0.0000, 0.0000,
0.0000

■ 47.4226, 35.5256,
66.6450

■ 47.4226, 35.5256,
66.6450

■ 44.8082, 30.2961,
65.7738

■ 50.6251, 41.9297,
67.7130

■ 42.7429, 26.1655,
65.0852

■ 54.4446, 49.5687,
68.9863

■ 41.1886, 23.0569,
64.5670

■ 58.9124, 58.5043,
70.4757

■ 40.1008, 20.8814,
64.2042

■ 64.0567, 68.7928,
72.1906

39.4275, 19.5348,
63.9797

69.9039, 80.4871,
74.1398

39.0984, 18.8767,
63.8698

74.7957, 90.2708,
75.7705

39.0354, 18.7507,
63.8488

74.7958, 90.2708,
75.7707

74.7958, 90.2709,
75.7708

74.7958, 90.2709,
75.7709

Harmonies

Analogous

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



40.6783, 35.5256, 89.3763



47.4226, 35.5256, 66.6450



50.4983, 35.5256, 41.3328

Triad

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



47.4226, 35.5256, 66.6450



34.6796, 35.5256, 10.1904



22.3263, 35.5256, 60.3962

Complementary

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



47.4226, 35.5256, 66.6450



37.4515, 53.7683, 30.5968

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.



21.2102, 35.5256, 36.1457



47.4226, 35.5256, 66.6450



27.6848, 35.5256, 12.0542

Square

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



47.4226, 35.5256, 66.6450



42.4799, 35.5256, 13.2859



23.0206, 35.5256, 19.8923



26.3336, 35.5256, 84.9203

Rectangle

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



47.4226, 35.5256, 66.6450



49.7598, 35.5256, 28.0329



23.0206, 35.5256, 19.8923



21.6291, 35.5256, 51.7334

Sweetspot

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



47.4238, 35.5272, 66.6458



86.7454, 83.3908, 106.1316



29.9457, 26.5169, 65.8283



18.3667, 17.4484, 22.6497



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.



47.4238, 35.5272, 66.6458



68.7045, 47.3092, 100.1173



43.0348, 33.7716, 43.5340



12.9531, 12.6327, 15.6931



24.0982, 11.5756, 39.4165



1.4535, 0.6982, 2.3774

Inverse Universe

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



47.4238, 35.5272, 66.6458



68.7045, 47.3092, 100.1173



40.7123, 55.0726, 47.7679



12.9531, 12.6327, 15.6931



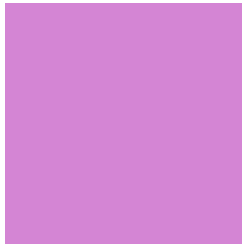
24.0982, 11.5756, 39.4165



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 47.4226, 35.5256, 66.6450 looks on a white background.

Color Contrast Check

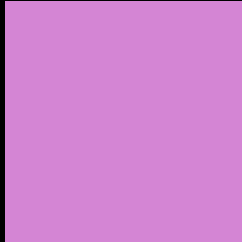
Large Text (above 18pt) WCAG AA × Fail

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 47.4226, 35.5256, 66.6450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

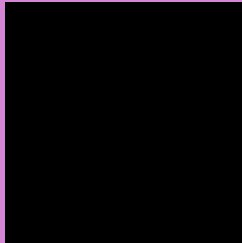
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4226, 35.5256, 66.6450

Background



This preview shows how black text looks on a background with the XYZ color 47.4226, 35.5256, 66.6450.

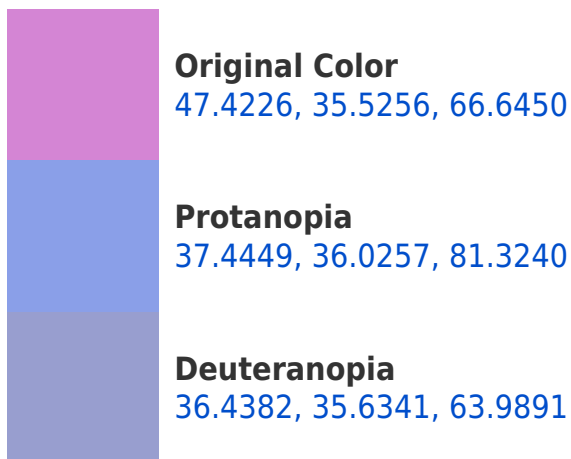


This preview shows how white text looks on a background with the XYZ color 47.4226, 35.5256,

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

41.3030, 35.6302, 36.1529

Trichromacy



Original Color

47.4226, 35.5256, 66.6450



Protanomaly

40.0140, 35.2483, 75.9288



Deuteranomaly

39.7116, 35.0970, 65.0030



Tritanomaly

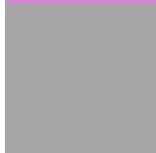
43.3738, 35.5942, 45.6586

Monochromacy



Original Color

47.4226, 35.5256, 66.6450



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

39.6313, 36.5974, 49.7750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4226, 35.5256, 66.6450 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(212, 133, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 133, 212)  
}
```

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(212, 133, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 133, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.4226, 35.5256, 66.6450 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(212, 133, 212) }
```


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

```
.border{ border-color:rgb(212, 133, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 133, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 133, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 133, 212); box-shadow:4px 4px 4px 4px rgb(212, 133, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4226, 35.5256, 66.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 133, 212) }
```

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

```
.background{ background-color: rgb(212,  
133, 212) }
```

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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