

Converting Colors

XYZ(46.8790, 34.0398, 68.1258)

Have a look what the booklet for
XYZ(46.8790, 34.0398, 68.1258)
contains.

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Color

**XYZ(47.0065, 34.0821,
68.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	D47FD7
RGB	212, 127, 215
RGB Percent	83%, 50%, 84%
CMY	0.1686, 0.5019, 0.1569
CMYK	0.01, 0.41, 0.00, 0.16
HSL	298°, 52%, 67%
HSV	298°, 41%, 84%
XYZ	47.0065, 34.0821, 68.3910
YIQ	162.4470, 22.4120, 45.3880

Conversions

Conversions Part 2

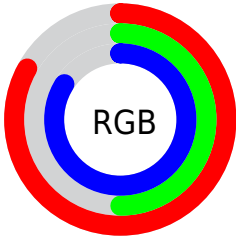
Format	Color
RYB	212, 127, 215
Decimal	13926359
CIELab	65.03, 46.15, -31.58
CIELCh	65, 55.919, 325.617
Yxy	34.0821, 0.3145, 0.2280
Android (android.graphics.Color)	4292116439 (0xFFD47FD7)
YUV	162.4470, 25.9086, 43.4580
Hunter-Lab	58.3799, 41.5604, -28.5913

Details

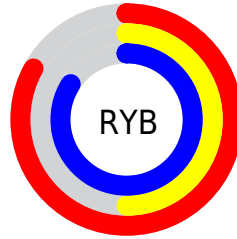
The XYZ color **47.0065, 34.0821, 68.3910** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.3383, 54.8799, 28.7053**, and the grayscale version is **34.4281, 36.2211, 39.4448**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **22.5715, 14.6381, 34.8935** is the 20% darker color. If you saturate the color by 10%, you get **44.3100, 29.0012, 67.5529**, and if you desaturate by 10%, it is **50.2987, 40.3513, 69.4281**.

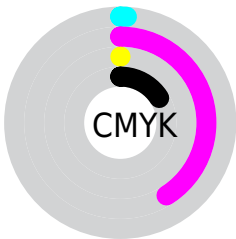
Distribution



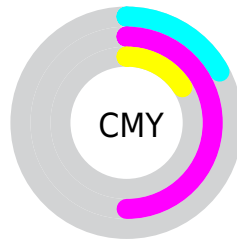
- Red (83%)
- Green (50%)
- Blue (84%)



- Red (83%)
- Yellow (50%)
- Blue (84%)



- Cyan (1%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)




- Cyan (17%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0065, 34.0821, 68.3910 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 47.0065, 34.0821, 68.3910 by changing the saturation by 10% instead.


 47.0065, 34.0821,
68.3910

 47.0065, 34.0821,
68.3910

365.4890,
320.4980, 473.5157


 33.2488, 22.9567,
49.7472


 84.9420, 66.0613,
118.5708

 22.4772, 14.5615,
34.8428


 109.8505, 87.6839,
150.9439

 14.3265, 8.5122,
23.2592


 139.2066,
113.5743, 188.7306

 8.4313, 4.4244,
14.5779

173.3757,
144.1170, 232.3493

 4.4263, 1.9137,
8.3804

212.7231,
179.6963, 282.2187

 1.9460, 0.5566,
4.2481

257.6142,

 0.6034, 0.0000,

220.6966, 338.7571

1.7624

308.4144,
267.5024, 402.3833

■ 0.0000, 0.0000,
0.4030

■ 0.0000, 0.0000,
0.0000

■ 47.0065, 34.0821,
68.3910

■ 47.0065, 34.0821,
68.3910

■ 44.3100, 29.0012,
67.5529

■ 50.2987, 40.3513,
69.4281

■ 42.1677, 25.0281,
66.8989


■ 54.2178, 47.8738,
70.6735


■ 40.5383, 22.0795,
66.4157


■ 58.7969, 56.7149,
72.1386


■ 39.3733, 20.0581,
66.0869


■ 64.0660, 66.9343,
73.8335


 38.6147, 18.8482,
65.8933


 70.0529, 78.5881,
75.7673

 38.1863, 18.2688,
65.8041

 76.4626, 91.0860,
77.8419

 76.6801, 91.1982,
77.8520

 76.8986, 91.3108,
77.8623

 77.1181, 91.4240,
77.8725

Harmonies

Analogous

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



39.5977, 34.0821, 93.5377



47.0065, 34.0821, 68.3910



50.5165, 34.0821, 40.6202

Triad

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



47.0065, 34.0821, 68.3910



33.5977, 34.0821, 8.0519



20.2920, 34.0821, 59.9026

Complementary

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



47.0065, 34.0821, 68.3910



37.3383, 54.8799, 28.7053

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.



19.2248, 34.0821, 33.8074



47.0065, 34.0821, 68.3910



26.1217, 34.0821, 9.6861

Square

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



47.0065, 34.0821, 68.3910



41.9992, 34.0821, 11.1445



21.1750, 34.0821, 17.2046



24.3778, 34.0821, 87.3713

Rectangle

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



47.0065, 34.0821, 68.3910



49.8085, 34.0821, 26.3595



21.1750, 34.0821, 17.2046



19.6008, 34.0821, 50.4451

Sweetspot

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



47.0076, 34.0836, 68.3917



85.6706, 81.8093, 105.8832



29.1897, 25.7603, 67.7243



18.1379, 17.1256, 22.5995



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.



47.0076, 34.0836, 68.3917



65.7297, 43.6598, 99.5706



43.3920, 32.7382, 44.7972



12.9092, 12.6101, 15.6911



22.8590, 10.9367, 39.3594



1.3921, 0.6666, 2.3746

Inverse Universe

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



39.6441, 31.2390, 25.0608



53.5539, 38.9684, 27.3664



39.9922, 55.8890, 45.0470



12.4402, 12.4276, 12.9926



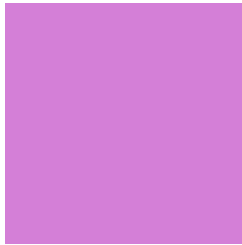
16.7938, 8.6539, 0.9525



1.0191, 0.5244, 0.0899

Previews

White Background



This preview shows how the XYZ color 47.0065, 34.0821, 68.3910 looks on a white background.

Color Contrast Check

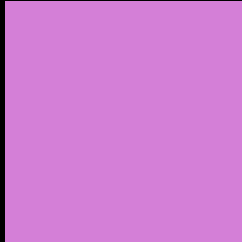
Large Text (above 18pt) WCAG AA × Fail

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 47.0065, 34.0821, 68.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

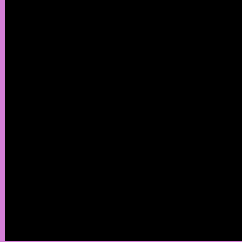
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0065, 34.0821, 68.3910

Background



This preview shows how black text looks on a background with the XYZ color 47.0065, 34.0821, 68.3910.

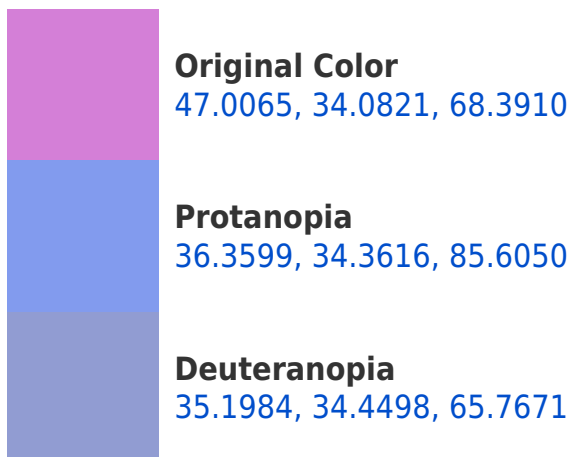


This preview shows how white text looks on a background with the XYZ color 47.0065, 34.0821,

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

40.0126, 34.1215, 33.7554

Trichromacy



Original Color

47.0065, 34.0821, 68.3910



Protanomaly

38.9055, 33.4376, 79.2665



Deuteranomaly

38.3713, 33.4393, 66.7194



Tritanomaly

42.1763, 33.9297, 44.3706

Monochromacy



Original Color

47.0065, 34.0821, 68.3910



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

37.9103, 34.5344, 48.3838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0065, 34.0821, 68.3910 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, 127, 215)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 215)  
}
```

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, 127, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 215) }
```

Border

The CSS property to change the border of an element to XYZ 47.0065, 34.0821, 68.3910 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, 127, 215) }
```


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

```
.border{ border-color:rgb(212, 127, 215) }
```

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

Here you see how a box with a 4 pixel rgb(212, 127, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 215);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0065, 34.0821, 68.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 215) }
```

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

```
.background{ background-color: rgb(212,  
127, 215) }
```

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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