

Converting Colors

XYZ(47.3058, 34.1150, 67.8982)

Have a look what the booklet for
XYZ(47.3058, 34.1150, 67.8982)
contains.

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Color

**XYZ(47.3300, 34.0729,
67.7005)**

Conversions

Conversions Part 1

Format	Color
Hex	D67ED6
RGB	214, 126, 214
RGB Percent	84%, 49%, 84%
CMY	0.1608, 0.5059, 0.1608
CMYK	0.00, 0.41, 0.00, 0.16
HSL	300°, 52%, 67%
HSV	300°, 41%, 84%
XYZ	47.3300, 34.0729, 67.7005
YIQ	162.3440, 24.2000, 46.0240

Conversions

Conversions Part 2

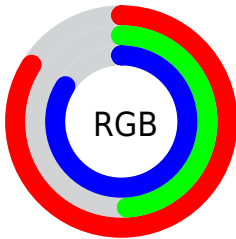
Format	Color
R _Y B	214, 126, 214
Decimal	14057174
CIE Lab	65.02, 47.09, -31.01
CIE LCh	65, 56.381, 326.629
Yxy	34.0729, 0.3174, 0.2285
Android (android.graphics.Color)	4292247254 (0xFFD67ED6)
YUV	162.3440, 25.4664, 45.3023
Hunter-Lab	58.3720, 42.5829, -27.9048

Details

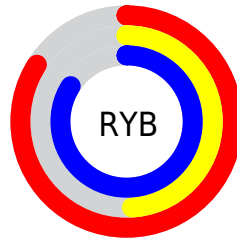
The XYZ color **47.3300, 34.0729, 67.7005** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.4181, 54.0363, 28.2512**, and the grayscale version is **34.3813, 36.1718, 39.3911**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **22.6114, 14.5689, 34.4212** is the 20% darker color. If you saturate the color by 10%, you get **44.8810, 29.1743, 66.8844**, and if you desaturate by 10%, it is **50.3665, 40.1451, 68.7131**.

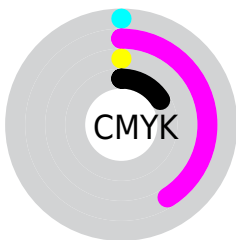
Distribution



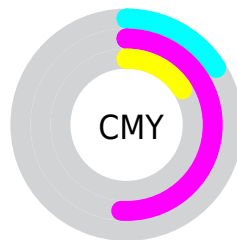
- Red (84%)
- Green (49%)
- Blue (84%)



- Red (84%)
- Yellow (49%)
- Blue (84%)



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





- Cyan (16%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3300, 34.0729, 67.7005 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 47.3300, 34.0729, 67.7005 by changing the saturation by 10% instead.


 47.3300, 34.0729,
67.7005

 47.3300, 34.0729,
67.7005


366.7572,
320.4570, 471.0034


 33.5056, 22.9496,
49.1890

 85.4217, 66.0470,
117.5737

 22.6752, 14.5563,
34.4027


 110.4199, 87.6666,
149.7725

 14.4732, 8.5086,
22.9233


 139.8733,
113.5538, 187.3708

 8.5344, 4.4221,
14.3321

174.1473,
144.0930, 230.7871

 4.4934, 1.9124,
8.2106

213.6074,
179.6684, 280.4399

 1.9849, 0.5558,
4.1403

258.6188,

 0.6255, 0.0000,

220.6647, 336.7479

1.7026

309.5469,
267.4661, 400.1295

■ 0.0000, 0.0000,
0.3625

■ 0.0000, 0.0000,
0.0000

■ 47.3300, 34.0729,
67.7005

■ 47.3300, 34.0729,
67.7005

■ 44.8810, 29.1743,
66.8844

■ 50.3665, 40.1451,
68.7131

■ 42.9785, 25.3693,
66.2502


■ 54.0214, 47.4550,
69.9315


■ 41.5816, 22.5754,
65.7844


■ 58.3277, 56.0674,
71.3670


■ 40.6421, 20.6964,
65.4712


■ 63.3147, 66.0414,
73.0294


 40.1025, 19.6173,
65.2912


 69.0103, 77.4325,
74.9281

 39.8695, 19.1514,
65.2135

 75.4405, 90.2929,
77.0716

 75.6298, 90.6715,
77.1347

 75.6298, 90.6715,
77.1348

 75.6298, 90.6715,
77.1349

Harmonies

Analogous

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



39.9367, 34.0729, 93.4869



47.3300, 34.0729, 67.7005



50.7025, 34.0729, 39.8040

Triad

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



47.3300, 34.0729, 67.7005



33.3163, 34.0729, 7.8973



20.2900, 34.0729, 61.0961

Complementary

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



47.3300, 34.0729, 67.7005



36.4181, 54.0363, 28.2512

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.



19.1151, 34.0729, 34.5205



47.3300, 34.0729, 67.7005



25.8514, 34.0729, 9.6891

Square

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



47.3300, 34.0729, 67.7005



41.8019, 34.0729, 10.8088



20.9728, 34.0729, 17.4700



24.5010, 34.0729, 88.6807

Rectangle

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



47.3300, 34.0729, 67.7005



49.8593, 34.0729, 25.6718



20.9728, 34.0729, 17.4700



19.5610, 34.0729, 51.4971

Sweetspot

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



47.3311, 34.0744, 67.7012



86.0533, 82.0066, 105.9009



28.2042, 24.2141, 66.8065



18.2287, 17.1724, 22.6037



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.



47.3311, 34.0744, 67.7012



67.2791, 44.4585, 99.6424



42.4494, 32.1217, 41.9946



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Inverse Universe

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



47.3311, 34.0744, 67.7012



67.2791, 44.4585, 99.6424



39.9078, 55.4322, 46.6279



12.9531, 12.6327, 15.6932



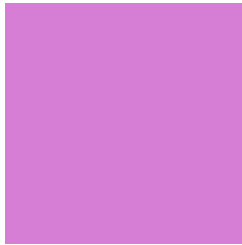
24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 47.3300, 34.0729, 67.7005 looks on a white background.

Color Contrast Check

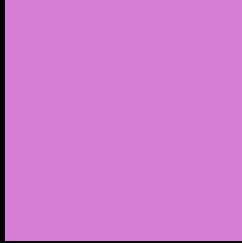
Large Text (above 18pt) WCAG AA × Fail

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 47.3300, 34.0729, 67.7005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

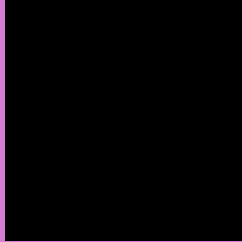
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3300, 34.0729, 67.7005

Background



This preview shows how black text looks on a background with the XYZ color 47.3300, 34.0729, 67.7005.



This preview shows how white text looks on a background with the XYZ color 47.3300, 34.0729,

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

47.3300, 34.0729, 67.7005

Protanopia

36.2133, 34.3029, 84.8332

Deuteranopia

35.2512, 34.4914, 65.1212



Tritanopia

40.3367, 34.0800, 33.3063

Trichromacy



Original Color

47.3300, 34.0729, 67.7005



Protanomaly

38.8141, 33.1807, 78.4875



Deuteranomaly

38.6779, 33.6119, 66.0772



Tritanomaly

42.5013, 33.9004, 43.8385

Monochromacy



Original Color

47.3300, 34.0729, 67.7005



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

38.1440, 34.6548, 48.3947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3300, 34.0729, 67.7005 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, 126, 214)` looks like.

```
.text, #text, p{  
    color:rgb(214, 126, 214)  
}
```

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, 126, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 126, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.3300, 34.0729, 67.7005 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, 126, 214) }
```


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

```
.border{ border-color:rgb(214, 126, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 126, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 126, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 126, 214);  
box-shadow:4px 4px 4px 4px rgb(214, 126,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3300, 34.0729, 67.7005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 126, 214) }
```

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

```
.background{ background-color: rgb(214,  
126, 214) }
```

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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