

Converting Colors

XYZ(46.8063, 35.2275, 53.0909)

Have a look what the booklet for
XYZ(46.8063, 35.2275, 53.0909)
contains.

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Color

**XYZ(46.7589, 35.2803,
53.0605)**

Conversions

Conversions Part 1

Format	Color
Hex	DB84BE
RGB	219, 132, 190
RGB Percent	86%, 52%, 75%
CMY	0.1412, 0.4823, 0.2549
CMYK	0.00, 0.40, 0.13, 0.14
HSL	320°, 55%, 69%
HSV	320°, 40%, 86%
XYZ	46.7589, 35.2803, 53.0605
YIQ	164.6250, 33.2340, 36.4820

Conversions

Conversions Part 2

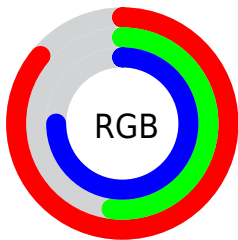
Format	Color
R _{YB}	219, 132, 190
Decimal	14386366
CIE Lab	65.97, 41.41, -16.07
CIE LCh	66, 44.415, 338.795
Yxy	35.2803, 0.3461, 0.2611
Android (android.graphics.Color)	4292576446 (0xFFDB84BE)
YUV	164.6250, 12.5099, 47.6869
Hunter-Lab	59.3972, 36.5743, -11.3867

Details

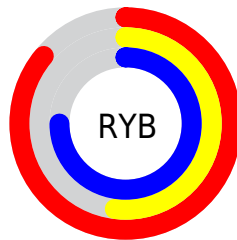
The XYZ color **46.7589, 35.2803, 53.0605** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **41.2818, 58.1428, 42.7676**, and the grayscale version is **35.5166, 37.3662, 40.6918**.

A 20% lighter version of the original color is **75.6449, 63.4545, 95.4498**, and **22.2843, 15.2248, 25.4311** is the 20% darker color. If you saturate the color by 10%, you get **43.3170, 29.6412, 48.0747**, and if you desaturate by 10%, it is **50.8662, 42.1853, 58.4661**.

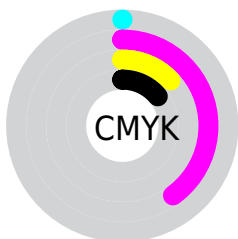
Distribution



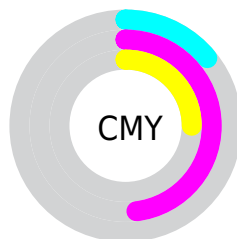
- Red (86%)
- Green (52%)
- Blue (75%)



- Red (86%)
- Yellow (52%)
- Blue (75%)



- Cyan (0%)
- Magenta (40%)
- Yellow (13%)
- Black (14%)





- Cyan (14%)
- Magenta (48%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7589, 35.2803, 53.0605 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 46.7589, 35.2803, 53.0605 by changing the saturation by 10% instead.


 46.7589, 35.2803,
53.0605


 46.7589, 35.2803,
53.0605


364.5163,
325.8038, 415.5901


 33.0522, 23.8789,
37.4630

 84.5746, 67.9198,
96.1358

 22.3259, 15.2438,
25.2676


 109.4143, 89.9266,
124.4508

 14.2145, 8.9907,
16.0557


 138.6957,
116.2374, 157.8419

 8.3527, 4.7351,
9.4088

172.7842,
147.2364, 196.7279

 4.3752, 2.0927,
4.9083

212.0452,
183.3082, 241.5271

 1.9165, 0.6605,
2.1358

256.8440,

 0.5864, 0.0000,

224.8371, 292.6582

0.6369

307.5459,
272.2075, 350.5397

■ 0.0000, 0.0000,
0.0000

■ 46.7589, 35.2803,
53.0605

■ 46.7589, 35.2803,
53.0605

■ 43.3170, 29.6412,
48.0747

■ 50.8662, 42.1853,
58.4661

■ 40.4974, 25.1843,
43.4903

■ 55.6723, 50.4232,
64.3042

■ 38.2569, 21.8232,
39.2904


■ 61.2118, 60.0624,
70.5895


■ 36.5448, 19.4580,
35.4551


■ 67.5163, 71.1650,
77.3353


■ 35.3013, 17.9699,
31.9614


■ 74.6154, 83.7893,
84.5540


 34.4239, 17.1548,
28.7720

 79.7966, 92.5094,
91.3441

 34.4017, 17.1354,
28.6871

 80.8663, 92.9372,
96.9768

 81.9796, 93.3826,
102.8397

 83.0236, 93.8002,
108.3372

Harmonies

Analogous

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



42.0968, 35.2803, 74.1220



46.7589, 35.2803, 53.0605



47.6476, 35.2803, 33.1384

Triad

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



46.7589, 35.2803, 53.0605



31.6362, 35.2803, 12.5873



24.6105, 35.2803, 65.8680

Complementary

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



46.7589, 35.2803, 53.0605



41.2818, 58.1428, 42.7676

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.



22.5234, 35.2803, 44.2224



46.7589, 35.2803, 53.0605



26.2171, 35.2803, 16.5356

Square

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



46.7589, 35.2803, 53.0605



38.3184, 35.2803, 13.5752



23.0705, 35.2803, 26.7465



29.1634, 35.2803, 83.0405

Rectangle

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



46.7589, 35.2803, 53.0605



45.8814, 35.2803, 23.4763



23.0705, 35.2803, 26.7465



23.6262, 35.2803, 58.6341

Sweetspot

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



46.7600, 35.2819, 53.0612



84.4541, 81.3669, 97.4800



35.7370, 29.1960, 70.7701



17.8503, 17.0210, 20.6110



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.



46.7600, 35.2819, 53.0612



61.7358, 42.7909, 68.7566



42.6933, 33.6553, 31.6464



13.4202, 13.1972, 15.4742



20.4512, 10.1815, 17.2877



1.3643, 0.6754, 1.3273

Inverse Universe

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



46.7600, 35.2819, 53.0612



61.7358, 42.7909, 68.7566



45.8076, 59.9531, 66.6004



13.4202, 13.1972, 15.4742



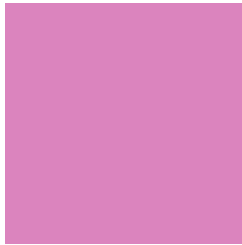
20.4512, 10.1815, 17.2877



1.3643, 0.6754, 1.3273

Previews

White Background



This preview shows how the XYZ color 46.7589, 35.2803, 53.0605 looks on a white background.

Color Contrast Check

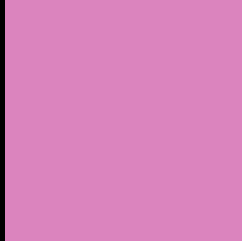
Large Text (above 18pt) WCAG AA × Fail

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 46.7589, 35.2803, 53.0605 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 46.7589, 35.2803, 53.0605

Background



This preview shows how black text looks on a background with the XYZ color 46.7589, 35.2803, 53.0605.



This preview shows how white text looks on a background with the XYZ color 46.7589, 35.2803,

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

46.7589, 35.2803, 53.0605

Protanopia

36.1195, 35.6956, 65.3078

Deuteranopia

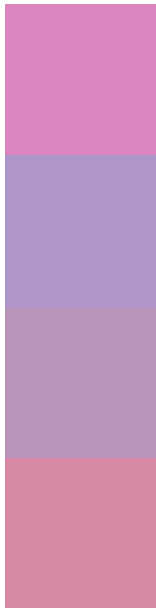
36.2297, 35.5516, 51.4070



Tritanopia

42.6147, 35.2543, 33.4129

Trichromacy



Original Color

46.7589, 35.2803, 53.0605

Protanomaly

38.8637, 34.7578, 60.5377

Deuteranomaly

39.3267, 34.9580, 51.6885

Tritanomaly

44.0561, 35.2069, 40.0709

Monochromacy



Original Color

46.7589, 35.2803, 53.0605

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.0388, 36.1527, 44.9650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7589, 35.2803, 53.0605 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(219, 132, 190)` looks like.

```
.text, #text, p{  
    color:rgb(219, 132, 190)  
}
```

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(219, 132, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 132, 190) }
```

Border

The CSS property to change the border of an element to XYZ 46.7589, 35.2803, 53.0605 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(219, 132, 190) }
```


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

```
.border{ border-color:rgb(219, 132, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 132, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 132, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 132, 190);  
box-shadow:4px 4px 4px 4px rgb(219, 132,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7589, 35.2803, 53.0605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 132, 190) }
```

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

```
.background{ background-color: rgb(219,  
132, 190) }
```

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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