

Converting Colors

XYZ(41.8241, 32.2748, 49.2943)

Have a look what the booklet for
XYZ(41.8241, 32.2748, 49.2943)
contains.

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Color

**XYZ(41.6788, 32.1403,
49.3544)**

Conversions

Conversions Part 1

Format	Color
Hex	CD81B8
RGB	205, 129, 184
RGB Percent	80%, 51%, 72%
CMY	0.1961, 0.4941, 0.2784
CMYK	0.00, 0.37, 0.10, 0.20
HSL	317°, 43%, 65%
HSV	317°, 37%, 80%
XYZ	41.6788, 32.1403, 49.3544
YIQ	157.9940, 27.6410, 33.2170

Conversions

Conversions Part 2

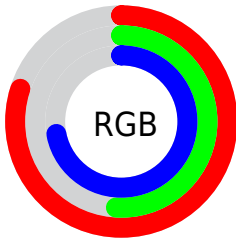
Format	Color
R _Y B	205, 129, 184
Decimal	13468088
CIE Lab	63.46, 37.37, -16.64
CIE LCh	63, 40.906, 336.004
Yxy	32.1403, 0.3384, 0.2609
Android (android.graphics.Color)	4291658168 (0xFFCD81B8)
YUV	157.9940, 12.8210, 41.2243
Hunter-Lab	56.6924, 32.0169, -11.9311

Details

The XYZ color **41.6788, 32.1403, 49.3544** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.3909, 50.5327, 36.6920**, and the grayscale version is **32.4324, 34.1215, 37.1583**.

A 20% lighter version of the original color is **73.9017, 61.4182, 90.3979**, and **19.2155, 13.4770, 23.0613** is the 20% darker color. If you saturate the color by 10%, you get **38.6627, 27.0390, 45.4779**, and if you desaturate by 10%, it is **45.2623, 38.3374, 53.5381**.

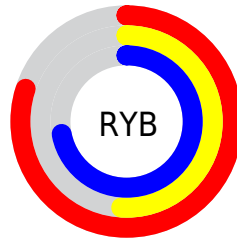
Distribution



Red (80%)

Green (51%)

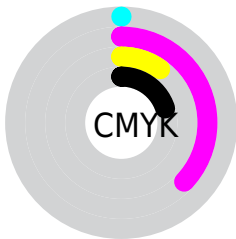
Blue (72%)



Red (80%)

Yellow (51%)

Blue (72%)

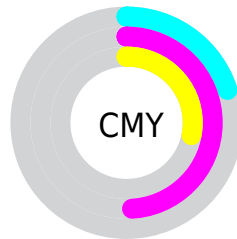


Cyan (0%)

Magenta (37%)

Yellow (10%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6788, 32.1403, 49.3544 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 41.6788, 32.1403, 49.3544 by changing the saturation by 10% instead.


 41.6788, 32.1403,
49.3544


 41.6788, 32.1403,
49.3544


344.1640,
311.7579, 400.7984

 29.0399, 21.4687,
34.5331


 76.9815, 63.0310,
90.6040

 19.2554, 13.4670,
23.0228


 100.3760, 84.0188,
117.8694

 11.9601, 7.7509,
14.4049


 128.0863,
109.2142, 150.1200

 6.7885, 3.9360,
8.2608

160.4780,
139.0015, 187.7742

 3.3753, 1.6378,
4.1721

197.9162,
173.7651, 231.2506

 1.3552, 0.3829,
1.7203

240.7664,

 0.2240, 0.0000,

213.8895, 280.9677

0.3746

289.3939,
259.7589, 337.3441

■ 0.0000, 0.0000,
0.0000

■ 41.6788, 32.1403,
49.3544

■ 41.6788, 32.1403,
49.3544

■ 38.6627, 27.0390,
45.4779

■ 45.2623, 38.3374,
53.5381

■ 36.1782, 22.9639,
41.8942

■ 49.4405, 45.6857,
58.0383

■ 34.1900, 19.8441,
38.5906

■ 54.2422, 54.2422,
62.8663

■ 32.6570, 17.5979,
35.5519

■ 59.6936, 64.0587,
68.0322

■ 31.5312, 16.1300,
32.7607

■ 65.8193, 75.1842,
73.5454

■ 30.7482, 15.3120,
30.1941

■ 72.6427, 87.6648,
79.4149

■ 30.5504, 15.1286,
29.4735

■ 74.3448, 89.8623,
83.7024

■ 75.1246, 90.1743,
87.8086

■ 75.9302, 90.4965,
92.0508

Harmonies

Analogous

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



37.4450, 32.1403, 66.9737



41.6788, 32.1403, 49.3544



42.7782, 32.1403, 31.8180

Triad

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



41.6788, 32.1403, 49.3544



29.4178, 32.1403, 12.1610



22.5216, 32.1403, 56.8462

Complementary

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



41.6788, 32.1403, 49.3544



36.3909, 50.5327, 36.6920

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.



20.9046, 32.1403, 38.3775



41.6788, 32.1403, 49.3544



24.5553, 32.1403, 15.2682

Square

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



41.6788, 32.1403, 49.3544



35.2195, 32.1403, 13.4588



21.6002, 32.1403, 23.7323



26.3097, 32.1403, 72.1558

Rectangle

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



41.6788, 32.1403, 49.3544



41.4798, 32.1403, 22.9723



21.6002, 32.1403, 23.7323



21.7290, 32.1403, 50.6166

Sweetspot

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



41.6798, 32.1418, 49.3551



85.5224, 82.9016, 99.6913



31.3143, 26.5246, 61.2275



18.0734, 17.3311, 21.1052



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.



41.6798, 32.1418, 49.3551



64.4864, 46.2265, 76.0417



38.2738, 30.7794, 31.4195



11.5501, 11.3488, 13.4317



19.0605, 9.4348, 18.5693



1.0144, 0.4992, 1.1215

Inverse Universe

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



41.6798, 32.1418, 49.3551



64.4864, 46.2265, 76.0417



39.8839, 51.9299, 55.0859



11.5501, 11.3488, 13.4317



19.0605, 9.4348, 18.5693



1.0144, 0.4992, 1.1215

Previews

White Background



This preview shows how the XYZ color 41.6788, 32.1403, 49.3544 looks on a white background.

Color Contrast Check

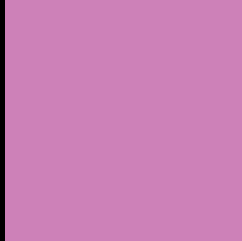
Large Text (above 18pt) WCAG AA × Fail

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 41.6788, 32.1403, 49.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

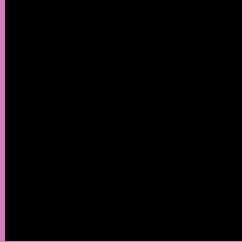
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6788, 32.1403, 49.3544

Background



This preview shows how black text looks on a background with the XYZ color 41.6788, 32.1403, 49.3544.



This preview shows how white text looks on a background with the XYZ color 41.6788, 32.1403,

49.3544.

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

41.6788, 32.1403, 49.3544

Protanopia

32.6381, 32.2893, 59.1558

Deuteranopia

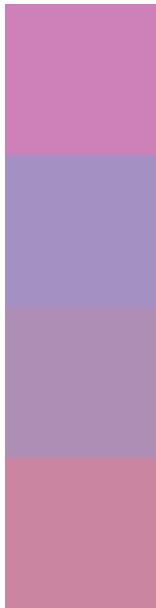
32.8549, 32.1759, 47.6589



Tritanopia

38.1580, 32.1324, 31.7948

Trichromacy



Original Color

41.6788, 32.1403, 49.3544

Protanomaly

35.0207, 31.7341, 55.3184

Deuteranomaly

35.4690, 31.6809, 47.9617

Tritanomaly

39.0898, 31.8697, 37.3489

Monochromacy



Original Color

41.6788, 32.1403, 49.3544

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

35.0880, 32.7714, 41.0354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6788, 32.1403, 49.3544 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(205, 129, 184)` looks like.

```
.text, #text, p{  
    color:rgb(205, 129, 184)  
}
```

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(205, 129, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 129, 184) }
```

Border

The CSS property to change the border of an element to XYZ 41.6788, 32.1403, 49.3544 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(205, 129, 184) }
```


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

```
.border{ border-color:rgb(205, 129, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 129, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 129, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 129, 184);  
box-shadow:4px 4px 4px 4px rgb(205, 129,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6788, 32.1403, 49.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 129, 184) }
```

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

```
.background{ background-color: rgb(205,  
129, 184) }
```

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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