

Converting Colors

XYZ(47.4712, 32.9626, 64.4256)

Have a look what the booklet for
XYZ(47.4712, 32.9626, 64.4256)
contains.

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Color

**XYZ(47.3189, 32.8572,
64.1697)**

Conversions

Conversions Part 1

Format	Color
Hex	DB77D1
RGB	219, 119, 209
RGB Percent	86%, 47%, 82%
CMY	0.1412, 0.5333, 0.1804
CMYK	0.00, 0.46, 0.05, 0.14
HSL	306°, 58%, 66%
HSV	306°, 46%, 86%
XYZ	47.3189, 32.8572, 64.1697
YIQ	159.1600, 30.7100, 49.1900

Conversions

Conversions Part 2

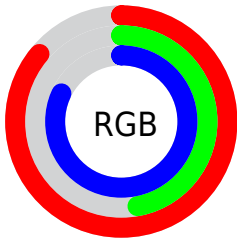
Format	Color
R _Y B	219, 119, 209
Decimal	14383057
CIE Lab	64.05, 51.26, -29.67
CIE LCh	64, 59.227, 329.933
Yxy	32.8572, 0.3278, 0.2276
Android (android.graphics.Color)	4292573137 (0xFFDB77D1)
YUV	159.1600, 24.5711, 52.4797
Hunter-Lab	57.3212, 47.0404, -26.2489

Details

The XYZ color **47.3189, 32.8572, 64.1697** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.9032, 56.1712, 29.6681**, and the grayscale version is **32.9102, 34.6241, 37.7056**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **22.6812, 13.9109, 32.0615** is the 20% darker color. If you saturate the color by 10%, you get **44.7376, 28.1249, 61.9808**, and if you desaturate by 10%, it is **50.5066, 38.7949, 66.5798**.

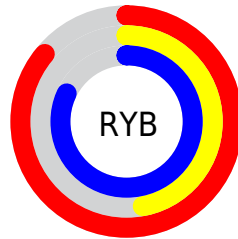
Distribution



Red (86%)

Green (47%)

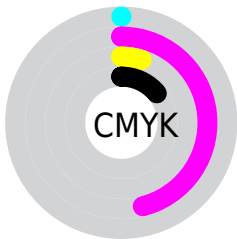
Blue (82%)



Red (86%)

Yellow (47%)

Blue (82%)

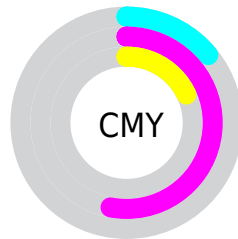


Cyan (0%)

Magenta (46%)

Yellow (5%)

Black (14%)



Cyan (14%)

Magenta (53%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3189, 32.8572, 64.1697 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 47.3189, 32.8572, 64.1697 by changing the saturation by 10% instead.

47.3189, 32.8572,
64.1697

47.3189, 32.8572,
64.1697

366.7137,
315.0058, 458.0265

33.4968, 22.0171,
46.3411

85.4053, 64.1525,
112.4571

22.6684, 13.8694,
32.1644

110.4003, 85.3765,
143.7530

14.4682, 8.0299,
21.2213

139.8504,
110.8306, 180.3750

8.5309, 4.1141,
13.0930

174.1209,
140.8991, 222.7417

4.4911, 1.7376,
7.3612

213.5771,
175.9665, 271.2717

1.9836, 0.4478,
3.6071

258.5844,

0.6247, 0.0000,

216.4171, 326.3835

1.4124

309.5081,
262.6354, 388.4955

■ 0.0000, 0.0000,
0.1514

■ 0.0000, 0.0000,
0.0000

■ 47.3189, 32.8572,
64.1697

■ 47.3189, 32.8572,
64.1697

■ 44.7376, 28.1249,
61.9808

■ 50.5066, 38.7949,
66.5798

■ 42.7175, 24.5098,
59.9969


■ 54.3352, 46.0092,
69.2216


■ 41.2125, 21.9190,
58.2031


■ 58.8406, 54.5709,
72.1076


■ 40.1678, 20.2429,
56.5808


■ 64.0550, 64.5447,
75.2486


 39.5157, 19.3461,
55.1075


 70.0085, 75.9907,
78.6546

 39.3032, 19.0960,
54.4972

 76.7296, 88.9657,
82.3352

 78.4735, 91.9801,
84.3755

 78.7731, 92.1000,
85.9533

 79.0766, 92.2214,
87.5514

Harmonies

Analogous

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



39.9621, 32.8572, 92.3776



47.3189, 32.8572, 64.1697



50.2315, 32.8572, 35.8295

Triad

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



47.3189, 32.8572, 64.1697



31.2485, 32.8572, 6.6549



19.2628, 32.8572, 64.0329

Complementary

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



47.3189, 32.8572, 64.1697



36.9032, 56.1712, 29.6681

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.



17.7497, 32.8572, 35.7224



47.3189, 32.8572, 64.1697



23.8723, 32.8572, 8.8646

Square

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



47.3189, 32.8572, 64.1697



40.0003, 32.8572, 8.8857



19.2764, 32.8572, 17.3055



23.8453, 32.8572, 92.2768

Rectangle

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



47.3189, 32.8572, 64.1697



48.9204, 32.8572, 22.2582



19.2764, 32.8572, 17.3055



18.4191, 32.8572, 53.8887

Sweetspot

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



47.3200, 32.8587, 64.1704



84.1303, 79.0719, 102.4505



28.4378, 22.9770, 69.9549



17.6860, 16.3117, 21.7298



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.



47.3200, 32.8587, 64.1704



63.2155, 39.8138, 87.5514



42.0696, 30.7585, 36.5223



13.5553, 13.2512, 16.1856



23.3279, 11.3322, 32.4362



1.5279, 0.7408, 2.1887

Inverse Universe

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



47.3200, 32.8587, 64.1704



63.2155, 39.8138, 87.5514



41.0773, 57.8408, 51.6488



13.5553, 13.2512, 16.1856



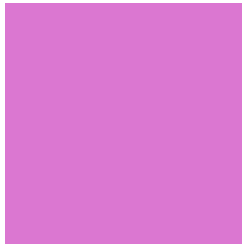
23.3279, 11.3322, 32.4362



1.5279, 0.7408, 2.1887

Previews

White Background



This preview shows how the XYZ color 47.3189, 32.8572, 64.1697 looks on a white background.

Color Contrast Check

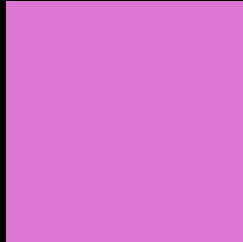
Large Text (above 18pt) WCAG AA × Fail

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 47.3189, 32.8572, 64.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

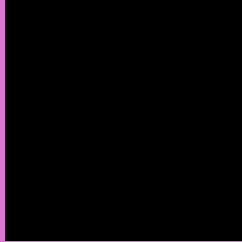
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3189, 32.8572, 64.1697

Background



This preview shows how black text looks on a background with the XYZ color 47.3189, 32.8572, 64.1697.



This preview shows how white text looks on a background with the XYZ color 47.3189, 32.8572,

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

47.3189, 32.8572, 64.1697

Protanopia

35.2840, 33.3506, 83.9345

Deuteranopia

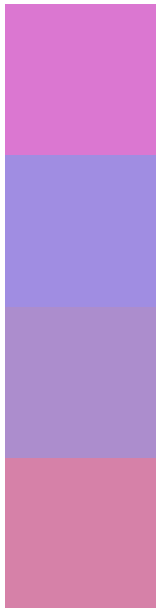
33.8478, 33.1140, 61.1076



Tritanopia

40.4231, 32.9127, 30.6078

Trichromacy



Original Color

47.3189, 32.8572, 64.1697

Protanomaly

37.7495, 32.0143, 76.1413

Deuteranomaly

37.5576, 32.2282, 61.9988

Tritanomaly

42.6497, 32.8238, 41.1335

Monochromacy



Original Color

47.3189, 32.8572, 64.1697

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.9651, 32.9446, 46.0056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3189, 32.8572, 64.1697 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, 119, 209)` looks like.

```
.text, #text, p{  
    color:rgb(219, 119, 209)  
}
```

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, 119, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 119, 209) }
```

Border

The CSS property to change the border of an element to XYZ 47.3189, 32.8572, 64.1697 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, 119, 209) }
```


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

```
.border{ border-color:rgb(219, 119, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 119, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 119, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 119, 209);  
box-shadow:4px 4px 4px 4px rgb(219, 119,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3189, 32.8572, 64.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 119, 209) }
```

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

```
.background{ background-color: rgb(219,  
119, 209) }
```

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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