

Converting Colors

XYZ(45.8298, 31.2997, 60.7527)

Have a look what the booklet for
XYZ(45.8298, 31.2997, 60.7527)
contains.

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Color

**XYZ(45.8298, 31.2997,
60.7527)**

Conversions

Conversions Part 1

Format	Color
Hex	DA72CC
RGB	218, 114, 204
RGB Percent	85%, 45%, 80%
CMY	0.1451, 0.5529, 0.2000
CMYK	0.00, 0.48, 0.06, 0.15
HSL	308°, 58%, 65%
HSV	308°, 48%, 85%
XYZ	45.8298, 31.2997, 60.7527
YIQ	155.3560, 33.0940, 50.0380

Conversions

Conversions Part 2

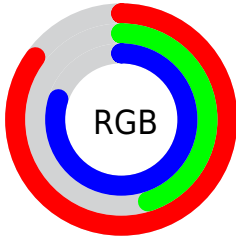
Format	Color
RYB	218, 114, 204
Decimal	14316236
CIELab	62.76, 52.60, -28.86
CIELCh	63, 59.994, 331.247
Yxy	31.2997, 0.3324, 0.2270
Android (android.graphics.Color)	4292506316 (0xFFDA72CC)
YUV	155.3560, 23.9815, 54.9388
Hunter-Lab	55.9461, 48.3174, -25.2216

Details

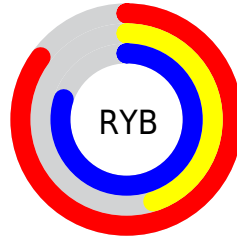
The XYZ color **45.8298, 31.2997, 60.7527** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.9085, 55.2797, 29.2016**, and the grayscale version is **31.2012, 32.8261, 35.7476**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **21.8188, 13.0108, 30.2155** is the 20% darker color. If you saturate the color by 10%, you get **43.3091, 26.8157, 58.1923**, and if you desaturate by 10%, it is **48.9451, 36.9611, 63.5446**.

Distribution



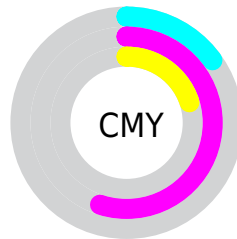
- Red (85%)
- Green (45%)
- Blue (80%)



- Red (85%)
- Yellow (45%)
- Blue (80%)



- Cyan (0%)
- Magenta (48%)
- Yellow (6%)
- Black (15%)





- Cyan (15%)
- Magenta (55%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8298, 31.2997, 60.7527 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 45.8298, 31.2997, 60.7527 by changing the saturation by 10% instead.


 45.8298, 31.2997,
60.7527

 45.8298, 31.2997,
60.7527

360.8514,
307.9167, 445.2481


 32.3156, 20.8272,
43.5964


 83.1936, 61.7116,
107.4748

 21.7594, 12.9977,
30.0184


 107.7740, 82.4198,
137.8777

 13.7958, 7.4270,
19.6004


 136.7738,
107.3086, 173.5331

 8.0595, 3.7305,
11.9237

170.5583,
136.7625, 214.8597

 4.1852, 1.5240,
6.5699

209.4930,
171.1659, 262.2760

 1.8074, 0.3055,
3.1202

253.9432,

 0.5221, 0.0000,

210.9031, 316.2004

1.1564

304.2742,
256.3586, 377.0516

■ 0.0000, 0.0000,
0.0000

■ 45.8298, 31.2997,
60.7527

■ 45.8298, 31.2997,
60.7527

■ 43.3091, 26.8157,
58.1923

■ 48.9451, 36.9611,
63.5446

■ 41.3375, 23.4201,
55.8472

■ 52.6901, 43.8717,
66.5791

■ 39.8681, 21.0183,
53.7018

■ 57.1008, 52.1029,
69.8685

■ 38.8446, 19.4979,
51.7373

■ 62.2095, 61.7194,
73.4238

■ 38.1889, 18.7025,
49.9274

■ 68.0464, 72.7815,
77.2554

■ 38.0614, 18.5646,
49.5240

■ 74.6401, 85.3462,
81.3727

■ 78.2022, 91.8370,
84.5133

■ 78.6051, 91.9981,
86.6348

■ 79.0149, 92.1620,
88.7926

Harmonies

Analogous

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



38.7039, 31.2997, 89.1200



45.8298, 31.2997, 60.7527



48.4677, 31.2997, 33.1061

Triad

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



45.8298, 31.2997, 60.7527



29.4074, 31.2997, 5.9308



18.2000, 31.2997, 63.2915

Complementary

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



45.8298, 31.2997, 60.7527



35.9085, 55.2797, 29.2016

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.



16.6030, 31.2997, 35.0729



45.8298, 31.2997, 60.7527



22.2950, 31.2997, 8.2125

Square

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



45.8298, 31.2997, 60.7527



37.9994, 31.2997, 7.8375



17.9537, 31.2997, 16.6426



22.7893, 31.2997, 90.9997

Rectangle

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



45.8298, 31.2997, 60.7527



47.0034, 31.2997, 20.1916



17.9537, 31.2997, 16.6426



17.3378, 31.2997, 53.2103

Sweetspot

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



45.8308, 31.3011, 60.7533



83.9356, 78.9940, 101.4255



27.5558, 21.6772, 69.0621



17.6381, 16.2926, 21.4775



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.



45.8308, 31.3011, 60.7533



61.8362, 38.3597, 83.0702



40.6104, 29.2130, 33.2630



13.5350, 13.2431, 16.0787



22.8317, 11.1337, 29.8236



1.5005, 0.7298, 2.0445

Inverse Universe

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



45.8308, 31.3011, 60.7533



61.8362, 38.3597, 83.0702



40.2367, 57.0110, 51.9938



13.5350, 13.2431, 16.0787



22.8317, 11.1337, 29.8236



1.5005, 0.7298, 2.0445

Previews

White Background



This preview shows how the XYZ color 45.8298, 31.2997, 60.7527 looks on a white background.

Color Contrast Check

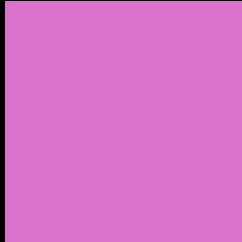
Large Text (above 18pt) WCAG AA × Fail

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 45.8298, 31.2997, 60.7527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

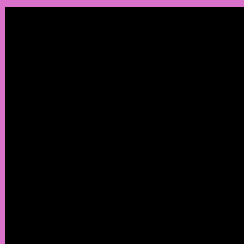
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8298, 31.2997, 60.7527

Background



This preview shows how black text looks on a background with the XYZ color 45.8298, 31.2997, 60.7527.



This preview shows how white text looks on a background with the XYZ color 45.8298, 31.2997,

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

45.8298, 31.2997, 60.7527

Protanopia

33.6402, 31.8498, 80.7185

Deuteranopia

32.4271, 31.7295, 57.8414



Tritanopia

39.0160, 31.2371, 28.0178

Trichromacy



Original Color

45.8298, 31.2997, 60.7527

Protanomaly

36.2310, 30.4343, 73.0721

Deuteranomaly

35.9486, 30.6075, 58.6567

Tritanomaly

41.1698, 31.1701, 38.0290

Monochromacy



Original Color

45.8298, 31.2997, 60.7527

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.2810, 31.2383, 43.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8298, 31.2997, 60.7527 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(218, 114, 204)` looks like.

```
.text, #text, p{  
    color:rgb(218, 114, 204)  
}
```

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(218, 114, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 114, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.8298, 31.2997, 60.7527 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(218, 114, 204) }
```


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

```
.border{ border-color:rgb(218, 114, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 114, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 114, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 114, 204);  
box-shadow:4px 4px 4px 4px rgb(218, 114,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8298, 31.2997, 60.7527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 114, 204) }
```

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

```
.background{ background-color: rgb(218,  
114, 204) }
```

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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