

Converting Colors

XYZ(45.3993, 32.5517, 61.1374)

Have a look what the booklet for
XYZ(45.3993, 32.5517, 61.1374)
contains.

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Color

**XYZ(45.2992, 32.4248,
60.9978)**

Conversions

Conversions Part 1

Format	Color
Hex	D57ACC
RGB	213, 122, 204
RGB Percent	84%, 48%, 80%
CMY	0.1647, 0.5215, 0.2000
CMYK	0.00, 0.43, 0.04, 0.16
HSL	306°, 52%, 66%
HSV	306°, 43%, 84%
XYZ	45.2992, 32.4248, 60.9978
YIQ	158.5570, 27.9140, 44.7940

Conversions

Conversions Part 2

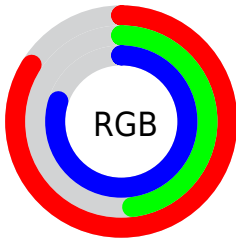
Format	Color
R _Y B	213, 122, 204
Decimal	13990604
CIE Lab	63.69, 47.06, -27.47
CIE LCh	64, 54.490, 329.724
Yxy	32.4248, 0.3265, 0.2337
Android (android.graphics.Color)	4292180684 (0xFFD57ACC)
YUV	158.5570, 22.4034, 47.7465
Hunter-Lab	56.9428, 42.3507, -23.6522

Details

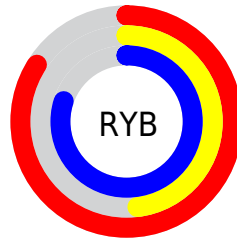
The XYZ color **45.2992, 32.4248, 60.9978** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.9184, 53.3660, 29.8823**, and the grayscale version is **32.6458, 34.3459, 37.4027**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **21.4055, 13.6502, 30.3607** is the 20% darker color. If you saturate the color by 10%, you get **42.7141, 27.6557, 58.8980**, and if you desaturate by 10%, it is **48.4629, 38.3444, 63.3080**.

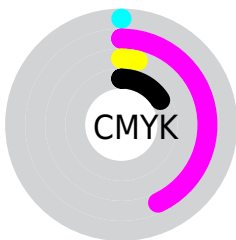
Distribution



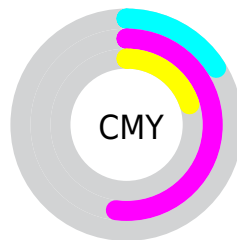
- Red (84%)
- Green (48%)
- Blue (80%)



- Red (84%)
- Yellow (48%)
- Blue (80%)



- Cyan (0%)
- Magenta (43%)
- Yellow (4%)
- Black (16%)





- Cyan (16%)
- Magenta (52%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2992, 32.4248, 60.9978 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 45.2992, 32.4248, 60.9978 by changing the saturation by 10% instead.


 45.2992, 32.4248,
60.9978

 45.2992, 32.4248,
60.9978

358.7473,
313.0498, 446.1723


 31.8954, 21.6862,
43.7928

 82.4035, 63.4764,
107.8332

 21.4368, 13.6265,
30.1717


 106.8348, 84.5583,
138.3008

 13.5579, 7.8613,
19.7158


 135.6726,
109.8566, 174.0264

 7.8935, 4.0064,
12.0066

169.2823,
139.7558, 215.4284

 4.0781, 1.6771,
6.6256

208.0293,
174.6404, 262.9255

 1.7464, 0.4088,
3.1542

252.2789,

 0.4851, 0.0000,

214.8946, 316.9361

1.1739

302.3964,
260.9030, 377.8789

■ 0.0000, 0.0000,
0.0000

■ 45.2992, 32.4248,
60.9978

■ 45.2992, 32.4248,
60.9978

■ 42.7141, 27.6557,
58.8980

■ 48.4629, 38.3444,
63.3080

■ 40.6667, 23.9570,
56.9939

■ 52.2365, 45.4790,
65.8380

■ 39.1155, 21.2455,
55.2720

■ 56.6528, 53.8934,
68.5993

■ 38.0117, 19.4234,
53.7159

■ 61.7413, 63.6467,
71.6018

■ 37.2968, 18.3735,
52.3060

■ 67.5297, 74.7941,
74.8546

■ 36.9480, 17.9491,
51.3473

■ 74.0440, 87.3880,
78.3666

■ 75.9541, 90.7676,
80.3611

■ 76.2329, 90.8791,
81.8292

■ 76.5152, 90.9920,
83.3158

Harmonies

Analogous

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



38.6777, 32.4248, 85.7862



45.2992, 32.4248, 60.9978



47.9345, 32.4248, 35.5077

Triad

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



45.2992, 32.4248, 60.9978



30.8894, 32.4248, 7.7574



19.7562, 32.4248, 60.4950

Complementary

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



45.2992, 32.4248, 60.9978



35.9184, 53.3660, 29.8823

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.



18.3561, 32.4248, 35.1033



45.2992, 32.4248, 60.9978



24.1038, 32.4248, 9.9487

Square

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



45.2992, 32.4248, 60.9978



38.8202, 32.4248, 10.0358



19.8087, 32.4248, 18.0804



24.0002, 32.4248, 85.4213

Rectangle

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



45.2992, 32.4248, 60.9978



46.7888, 32.4248, 22.9419



19.8087, 32.4248, 18.0804



18.9719, 32.4248, 51.4629

Sweetspot

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



45.3003, 32.4263, 60.9985



84.8480, 80.4335, 102.9171



28.1134, 23.4377, 65.9939



17.8277, 16.5798, 21.8245



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.



45.3003, 32.4263, 60.9985



64.6148, 42.3336, 88.8775



40.7393, 30.6019, 36.9806



12.8976, 12.6105, 15.4011



22.5906, 10.9725, 31.4776



1.3782, 0.6681, 1.9812

Inverse Universe

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



45.3003, 32.4263, 60.9985



64.6148, 42.3336, 88.8775



39.5676, 54.8256, 49.0988



12.8976, 12.6105, 15.4011



22.5906, 10.9725, 31.4776



1.3782, 0.6681, 1.9812

Previews

White Background



This preview shows how the XYZ color 45.2992, 32.4248, 60.9978 looks on a white background.

Color Contrast Check

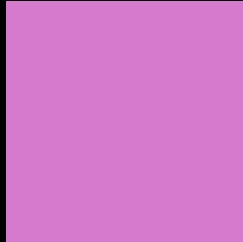
Large Text (above 18pt) WCAG AA × Fail

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 45.2992, 32.4248, 60.9978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

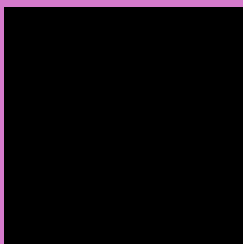
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2992, 32.4248, 60.9978

Background



This preview shows how black text looks on a background with the XYZ color 45.2992, 32.4248, 60.9978.



This preview shows how white text looks on a background with the XYZ color 45.2992, 32.4248,

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

45.2992, 32.4248, 60.9978

Protanopia

34.2993, 32.7484, 77.1863

Deuteranopia

33.3911, 32.6910, 58.5829



Tritanopia

39.2284, 32.4941, 30.9925

Trichromacy



Original Color

45.2992, 32.4248, 60.9978



Protanomaly

36.8083, 31.6378, 71.1845



Deuteranomaly

36.6451, 31.8128, 59.4674



Tritanomaly

41.1601, 32.2737, 40.1365

Monochromacy



Original Color

45.2992, 32.4248, 60.9978



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

36.6072, 33.2366, 45.0433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2992, 32.4248, 60.9978 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(213, 122, 204)` looks like.

```
.text, #text, p{  
    color:rgb(213, 122, 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(213, 122, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 122, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.2992, 32.4248, 60.9978 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(213, 122, 204) }
```


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

```
.border{ border-color:rgb(213, 122, 204) }
```

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

Here you see how a box with a 4 pixel rgb(213, 122, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 122, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 122, 204);  
box-shadow:4px 4px 4px 4px rgb(213, 122,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2992, 32.4248, 60.9978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 122, 204) }
```

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

```
.background{ background-color: rgb(213,  
122, 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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