

Converting Colors

XYZ(48.9786, 32.6405, 60.3089)

Have a look what the booklet for
XYZ(48.9786, 32.6405, 60.3089)
contains.

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Color

**XYZ(48.8868, 32.5582,
60.2076)**

Conversions

Conversions Part 1

Format	Color
Hex	E570CB
RGB	229, 112, 203
RGB Percent	90%, 44%, 80%
CMY	0.1020, 0.5608, 0.2039
CMYK	0.00, 0.51, 0.11, 0.10
HSL	313°, 69%, 67%
HSV	313°, 51%, 90%
XYZ	48.8868, 32.5582, 60.2076
YIQ	157.3570, 40.5210, 53.1050

Conversions

Conversions Part 2

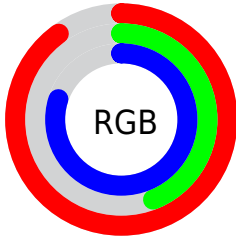
Format	Color
R _Y B	229, 112, 203
Decimal	15036619
CIE Lab	63.80, 56.64, -26.57
CIE LCh	64, 62.559, 334.869
Yxy	32.5582, 0.3451, 0.2298
Android (android.graphics.Color)	4293226699 (0xFFE570CB)
YUV	157.3570, 22.5020, 62.8309
Hunter-Lab	57.0598, 53.0778, -22.6190

Details

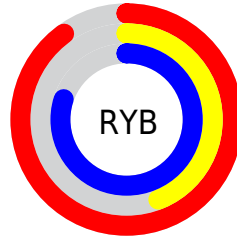
The XYZ color **48.8868, 32.5582, 60.2076** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.2904, 61.3195, 33.8123**, and the grayscale version is **32.0987, 33.7704, 36.7759**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **23.6825, 13.7541, 29.8404** is the 20% darker color. If you saturate the color by 10%, you get **46.0775, 27.8937, 56.3280**, and if you desaturate by 10%, it is **52.3606, 38.5185, 64.4076**.

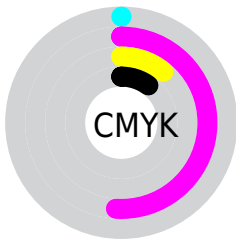
Distribution



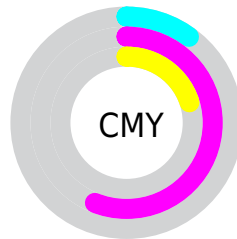
- Red (90%)
- Green (44%)
- Blue (80%)



- Red (90%)
- Yellow (44%)
- Blue (80%)



- Cyan (0%)
- Magenta (51%)
- Yellow (11%)
- Black (10%)





- Cyan (10%)
- Magenta (56%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8868, 32.5582, 60.2076 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 48.8868, 32.5582, 60.2076 by changing the saturation by 10% instead.


 48.8868, 32.5582,
60.2076


 48.8868, 32.5582,
60.2076

372.8209,
313.6542, 443.1884


 34.7439, 21.7882,
43.1596


 87.7250, 63.6852,
106.6771

 23.6312, 13.7014,
29.6780


 113.1510, 84.8109,
136.9356

 15.1835, 7.9133,
19.3444


 143.0688,
110.1574, 172.4348

 9.0355, 4.0395,
11.7400

177.8436,
140.1090, 213.5931

 4.8216, 1.6957,
6.4465

217.8409,
175.0500, 260.8290

 2.1767, 0.4209,
3.0453

263.4259,

 0.7304, 0.0000,

215.3650, 314.5612

1.1178

314.9641,
261.4383, 375.2082

■ 0.0000, 0.0000,
0.0000

■ 48.8868, 32.5582,
60.2076

■ 48.8868, 32.5582,
60.2076

■ 46.0775, 27.8937,
56.3280

■ 52.3606, 38.5185,
64.4076

■ 43.8795, 24.4211,
52.7491

■ 56.5403, 45.8591,
68.9417

■ 42.2368, 22.0276,
49.4517

■ 61.4677, 54.6627,
73.8251

■ 41.0810, 20.5770,
46.4121

■ 67.1805, 65.0042,
79.0713

■ 40.3602, 19.8769,
43.8861

■ 73.7135, 76.9532,
84.6927

■ 81.0997, 90.5752,
90.7012

■ 83.5981, 94.3880,
95.1840

■ 84.3592, 94.6925,
99.1921

■ 85.1417, 95.0055,
103.3125

Harmonies

Analogous

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



41.6368, 32.5582, 91.7654



48.8868, 32.5582, 60.2076



51.0020, 32.5582, 31.5026

Triad

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



48.8868, 32.5582, 60.2076



29.5346, 32.5582, 5.8008



19.0568, 32.5582, 70.9039

Complementary

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



48.8868, 32.5582, 60.2076



39.2904, 61.3195, 33.8123

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.



16.9866, 32.5582, 39.7148



48.8868, 32.5582, 60.2076



22.2617, 32.5582, 8.7362

Square

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



48.8868, 32.5582, 60.2076



38.6844, 32.5582, 7.2202



18.0383, 32.5582, 18.6243



24.3145, 32.5582, 99.7222

Rectangle

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



48.8868, 32.5582, 60.2076



48.9312, 32.5582, 18.7553



18.0383, 32.5582, 18.6243



18.0155, 32.5582, 59.9221

Sweetspot

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



48.8879, 32.5597, 60.2083



82.6998, 77.4415, 98.1802



30.3127, 22.5954, 76.8932



17.3706, 15.9773, 20.7109



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.



48.8879, 32.5597, 60.2083



58.7201, 35.4594, 71.7594



43.2311, 30.2970, 30.4201



14.8508, 14.5575, 17.4148



23.1229, 11.3834, 25.3398



1.7426, 0.8547, 2.0510

Inverse Universe

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



48.8879, 32.5597, 60.2083



58.7201, 35.4594, 71.7594



44.6495, 63.4632, 62.0329



14.8508, 14.5575, 17.4148



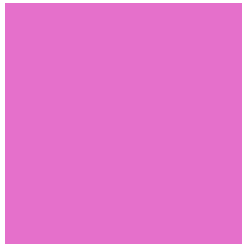
23.1229, 11.3834, 25.3398



1.7426, 0.8547, 2.0510

Previews

White Background



This preview shows how the XYZ color 48.8868, 32.5582, 60.2076 looks on a white background.

Color Contrast Check

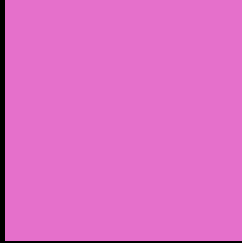
Large Text (above 18pt) WCAG AA × Fail

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 48.8868, 32.5582, 60.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

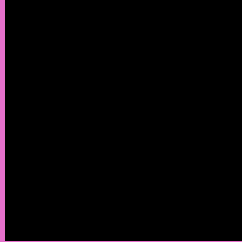
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8868, 32.5582, 60.2076

Background



This preview shows how black text looks on a background with the XYZ color 48.8868, 32.5582, 60.2076.

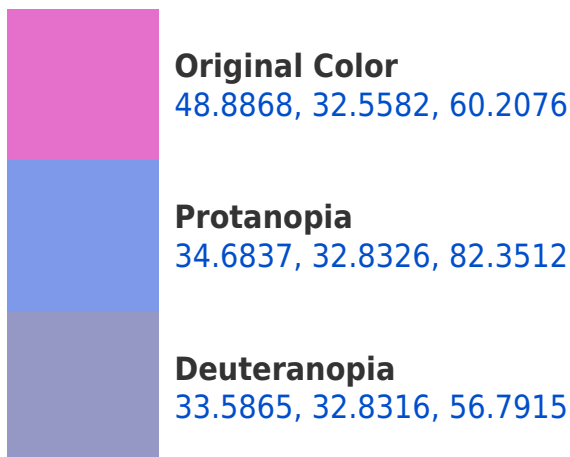


This preview shows how white text looks on a background with the XYZ color 48.8868, 32.5582,

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





Tritanopia

42.1575, 32.4859, 27.3410

Trichromacy



Original Color

48.8868, 32.5582, 60.2076



Protanomaly

37.3692, 31.0056, 73.8271



Deuteranomaly

37.6146, 31.4798, 58.1265



Tritanomaly

44.3560, 32.4647, 37.1862

Monochromacy



Original Color

48.8868, 32.5582, 60.2076



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.6933, 32.1730, 44.3205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8868, 32.5582, 60.2076 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(229, 112, 203)` looks like.

```
.text, #text, p{  
    color:rgb(229, 112, 203)  
}
```

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(229, 112, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 112, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.8868, 32.5582, 60.2076 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(229, 112, 203) }
```


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

```
.border{ border-color:rgb(229, 112, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 112, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 112, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 112, 203);  
box-shadow:4px 4px 4px 4px rgb(229, 112,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8868, 32.5582, 60.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 112, 203) }
```

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

```
.background{ background-color: rgb(229,  
112, 203) }
```

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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