

Converting Colors

XYZ(49.1646, 33.0421, 63.0565)

Have a look what the booklet for
XYZ(49.1646, 33.0421, 63.0565)
contains.

XYZ(48.9584, 32.8705, 62.7957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9584, 32.8705,
62.7957)**

Conversions

Conversions Part 1

Format	Color
Hex	E372CF
RGB	227, 114, 207
RGB Percent	89%, 45%, 81%
CMY	0.1098, 0.5529, 0.1882
CMYK	0.00, 0.50, 0.09, 0.11
HSL	311°, 67%, 67%
HSV	311°, 50%, 89%
XYZ	48.9584, 32.8705, 62.7957
YIQ	158.3890, 37.4950, 52.8790

Conversions

Conversions Part 2

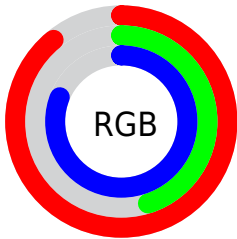
Format	Color
R _Y B	227, 114, 207
Decimal	14906063
CIE _{Lab}	64.06, 55.74, -28.45
CIE _{LCh}	64, 62.577, 332.959
Yxy	32.8705, 0.3385, 0.2273
Android (android.graphics.Color)	4293096143 (0xFFE372CF)
YUV	158.3890, 23.9652, 60.1718
Hunter-Lab	57.3328, 52.0947, -24.8064

Details

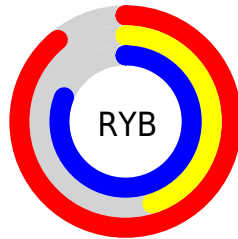
The XYZ color **48.9584, 32.8705, 62.7957** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.7131, 60.2381, 32.1433**, and the grayscale version is **32.5597, 34.2553, 37.3040**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **23.5936, 13.8299, 31.1317** is the 20% darker color. If you saturate the color by 10%, you get **46.2236, 28.1766, 59.4914**, and if you desaturate by 10%, it is **52.3431, 38.8430, 66.3789**.

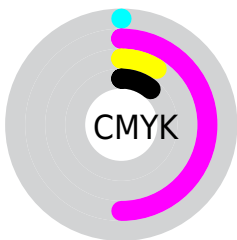
Distribution



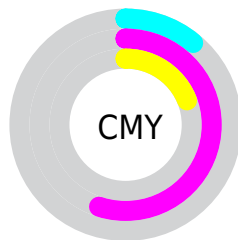
- Red (89%)
- Green (45%)
- Blue (81%)



- Red (89%)
- Yellow (45%)
- Blue (81%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (11%)





- Cyan (11%)
- Magenta (55%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9584, 32.8705, 62.7957 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 48.9584, 32.8705, 62.7957 by changing the saturation by 10% instead.


 48.9584, 32.8705,
62.7957


 48.9584, 32.8705,
62.7957


373.0982,
315.0658, 452.9152


 34.8009, 22.0273,
45.2360


 87.8308, 64.1733,
110.4574

 23.6753, 13.8769,
31.2991


 113.2763, 85.4016,
141.3966

 15.2164, 8.0351,
20.5663


 143.2152,
110.8605, 177.6326

 9.0587, 4.1174,
12.6192

178.0129,
140.9342, 219.5841

 4.8369, 1.7395,
7.0392

218.0347,
176.0072, 267.6695

 2.1857, 0.4490,
3.4078

263.6459,

 0.7352, 0.0000,

216.4639, 322.3075

1.3065

315.2120,
262.6886, 383.9165

■ 0.0000, 0.0000,
0.0671

■ 0.0000, 0.0000,
0.0000

■ 48.9584, 32.8705,
62.7957

■ 48.9584, 32.8705,
62.7957

■ 46.2236, 28.1766,
59.4914

■ 52.3431, 38.8430,
66.3789

■ 44.0876, 24.6608,
56.4476


■ 56.4175, 46.1754,
70.2539


■ 42.4965, 22.2154,
53.6463


■ 61.2220, 54.9478,
74.4348


■ 41.3856, 20.7105,
51.0653


■ 66.7930, 65.2327,
78.9342


 40.6445, 19.9261,
48.6674


 73.1644, 77.0977,
83.7639

 40.6295, 19.9113,
48.6152

 80.3679, 90.6063,
88.9348

 82.4527, 93.8566,
92.4637

 83.0404, 94.0917,
95.5583

 83.6412, 94.3320,
98.7225

Harmonies

Analogous

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



41.4319, 32.8705, 94.1418



48.9584, 32.8705, 62.7957



51.4766, 32.8705, 33.3358

Triad

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



48.9584, 32.8705, 62.7957



30.3732, 32.8705, 5.8654



19.0408, 32.8705, 69.3425

Complementary

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



48.9584, 32.8705, 62.7957



38.7131, 60.2381, 32.1433

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.



17.1565, 32.8705, 38.3626



48.9584, 32.8705, 62.7957



22.8776, 32.8705, 8.5133

Square

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



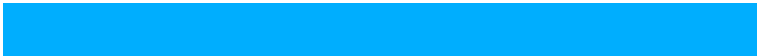
48.9584, 32.8705, 62.7957



39.6244, 32.8705, 7.5846



18.4170, 32.8705, 17.9078



24.1347, 32.8705, 99.0118

Rectangle

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



48.9584, 32.8705, 62.7957



49.6519, 32.8705, 19.9622



18.4170, 32.8705, 17.9078



18.0597, 32.8705, 58.3345

Sweetspot

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



48.9595, 32.8720, 62.7964



82.9674, 77.5485, 99.5893



29.5306, 22.5554, 75.4712



17.4355, 16.0033, 21.0529



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.



48.9595, 32.8720, 62.7964



59.9836, 36.3596, 77.1960



43.3375, 30.6232, 33.1914



14.8799, 14.5691, 17.5678



23.7340, 11.6278, 28.5581



1.7827, 0.8708, 2.2621

Inverse Universe

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



48.9595, 32.8720, 62.7964



59.9836, 36.3596, 77.1960



43.6314, 62.2054, 58.0428



14.8799, 14.5691, 17.5678



23.7340, 11.6278, 28.5581



1.7827, 0.8708, 2.2621

Previews

White Background



This preview shows how the XYZ color 48.9584, 32.8705, 62.7957 looks on a white background.

Color Contrast Check

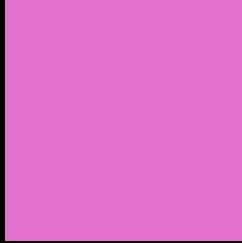
Large Text (above 18pt) WCAG AA × Fail

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 48.9584, 32.8705, 62.7957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

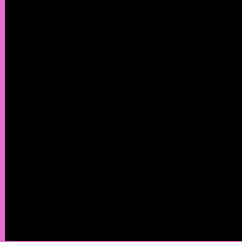
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9584, 32.8705, 62.7957

Background



This preview shows how black text looks on a background with the XYZ color 48.9584, 32.8705, 62.7957.



This preview shows how white text looks on a background with the XYZ color 48.9584, 32.8705,

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

48.9584, 32.8705, 62.7957

Protanopia

35.4280, 33.3911, 85.4668

Deuteranopia

33.8492, 33.1556, 59.2592



Tritanopia

41.7239, 32.6247, 28.5242

Trichromacy



Original Color

48.9584, 32.8705, 62.7957



Protanomaly

38.2020, 31.7978, 76.7972



Deuteranomaly

37.9166, 32.0071, 60.6795



Tritanomaly

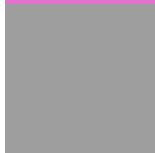
44.0327, 32.6252, 39.0985

Monochromacy



Original Color

48.9584, 32.8705, 62.7957



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

37.0379, 32.5479, 45.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9584, 32.8705, 62.7957 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(227, 114, 207)` looks like.

```
.text, #text, p{  
    color:rgb(227, 114, 207)  
}
```

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(227, 114, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 114, 207) }
```

Border

The CSS property to change the border of an element to XYZ 48.9584, 32.8705, 62.7957 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(227, 114, 207) }
```


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

```
.border{ border-color:rgb(227, 114, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 114, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 114, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 114, 207);  
box-shadow:4px 4px 4px 4px rgb(227, 114,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9584, 32.8705, 62.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 114, 207) }
```

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

```
.background{ background-color: rgb(227,  
114, 207) }
```

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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