

# Converting Colors

XYZ(56.1042, 48.0507, 63.9584)

Have a look what the booklet for  
XYZ(56.1042, 48.0507, 63.9584)  
contains.

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# Color

**XYZ(56.2022, 48.2140,  
64.1017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A7CD
RGB	226, 167, 205
RGB Percent	89%, 65%, 80%
CMY	0.1137, 0.3451, 0.1961
CMYK	0.00, 0.26, 0.09, 0.11
HSL	321°, 50%, 77%
HSV	321°, 26%, 89%
XYZ	56.2022, 48.2140, 64.1017
YIQ	188.9730, 22.9660, 24.3260

# Conversions

## Conversions Part 2

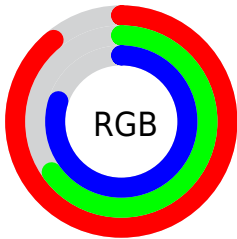
Format	Color
R <sub>Y</sub> B	226, 167, 205
Decimal	14854093
CIE Lab	74.96, 27.60, -10.80
CIE LCh	75, 29.639, 338.639
Yxy	48.2140, 0.3335, 0.2861
Android (android.graphics.Color)	4293044173 (0xFFE2A7CD)
YUV	188.9730, 7.9013, 32.4727
Hunter-Lab	69.4363, 22.9655, -6.1295

# Details

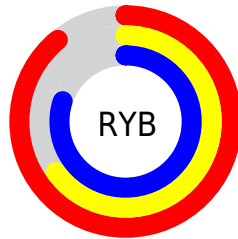
The XYZ color **56.2022, 48.2140, 64.1017** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.2118, 66.2404, 57.6138**, and the grayscale version is **48.3027, 50.8182, 55.3410**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **28.1808, 22.8150, 32.1966** is the 20% darker color. If you saturate the color by 10%, you get **51.4722, 40.2677, 57.8567**, and if you desaturate by 10%, it is **61.7085, 57.6316, 70.8529**.

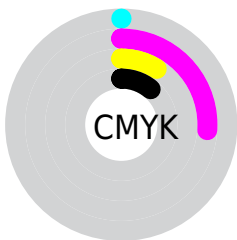
# Distribution



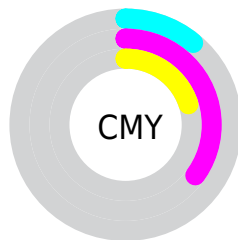
- Red (89%)
- Green (65%)
- Blue (80%)



- Red (89%)
- Yellow (65%)
- Blue (80%)



- Cyan (0%)
- Magenta (26%)
- Yellow (9%)
- Black (11%)




- Cyan (11%)
- Magenta (35%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2022, 48.2140, 64.1017 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 56.2022, 48.2140, 64.1017 by changing the saturation by 10% instead.




 56.2022, 48.2140,  
64.1017


 56.2022, 48.2140,  
64.1017


400.5157,  
379.6397, 457.7743

 40.6027, 33.9964,  
46.2863

 98.4382, 87.5229,  
112.3583

 28.1951, 22.8908,  
32.1215


 125.8055,  
113.3831, 143.6365

 18.6140, 14.5129,  
21.1888


157.8261,  
143.8928, 180.2396

 11.4940, 8.4783,  
13.0695

194.8653,  
179.4366, 222.5858

 6.4699, 4.4025,  
7.3451

237.2885,  
220.3988, 271.0939

 3.1762, 1.9012,  
3.5971

285.4611,

 1.2476, 0.5491,

267.1638, 326.1823

1.4071

339.7484,  
320.1159, 388.2696

■ 0.1435, 0.0000,  
0.1472

■ 0.0000, 0.0000,  
0.0000

■ 56.2022, 48.2140,  
64.1017

■ 56.2022, 48.2140,  
64.1017

■ 51.4722, 40.2677,  
57.8567

■ 61.7085, 57.6316,  
70.8529

■ 47.4757, 33.7105,  
52.0985

■ 68.0225, 68.5840,  
78.1227

■ 44.1725, 28.4623,  
46.8102

■ 75.1788, 81.1391,  
85.9267

■ 41.5163, 24.4318,  
41.9728

■ 82.4367, 93.8138,  
94.0215

■ 39.4551, 21.5162,  
37.5649

■ 83.6400, 94.2952,  
100.3584

■ 37.9280, 19.5954,  
33.5622

■ 84.8969, 94.7979,  
106.9767

■ 36.8599, 18.5200,  
29.9356

■ 85.1743, 94.9089,  
108.4378

■ 36.5180, 18.2304,  
28.6069

# Harmonies

## Analogous

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



52.6265, 48.2140, 79.3463



56.2022, 48.2140, 64.1017



56.8879, 48.2140, 48.1518

# Triad

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



56.2022, 48.2140, 64.1017



44.2826, 48.2140, 28.2262



38.1781, 48.2140, 73.3613

# Complementary

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



56.2022, 48.2140, 64.1017



52.2118, 66.2404, 57.6138

# 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.



36.2999, 48.2140, 57.0957



56.2022, 48.2140, 64.1017



39.6381, 48.2140, 32.5113

# Square

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



56.2022, 48.2140, 64.1017



49.7167, 48.2140, 29.3700



36.8126, 48.2140, 42.3846



42.1437, 48.2140, 85.3814



# Rectangle

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



56.2022, 48.2140, 64.1017



55.5658, 48.2140, 39.4844



36.8126, 48.2140, 42.3846



37.2964, 48.2140, 68.0937

# Sweetspot

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



56.2036, 48.2162, 64.1027



87.7367, 87.2090, 100.8032



48.2012, 43.7779, 77.8617



18.5021, 18.1841, 21.2610



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.



56.2036, 48.2162, 64.1027



70.6016, 57.8295, 80.0141



53.0062, 46.9372, 47.2650



14.0771, 13.8485, 16.1760



20.8918, 10.4237, 16.6281



1.4903, 0.7394, 1.3746



# Inverse Universe

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



56.2036, 48.2162, 64.1027



70.6016, 57.8295, 80.0141



55.6782, 67.6270, 75.8679



14.0771, 13.8485, 16.1760



20.8918, 10.4237, 16.6281



1.4903, 0.7394, 1.3746



# Previews

## White Background



This preview shows how the XYZ color 56.2022, 48.2140, 64.1017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

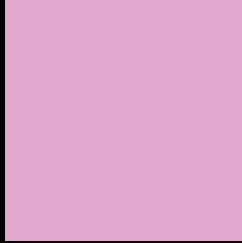
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2022, 48.2140, 64.1017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

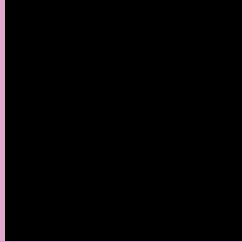
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.2022, 48.2140, 64.1017

## Background



This preview shows how black text looks on a background with the XYZ color 56.2022, 48.2140, 64.1017.



This preview shows how white text looks on a background with the XYZ color 56.2022, 48.2140,



# 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

56.2022, 48.2140, 64.1017

### Protanopia

47.9186, 48.4085, 71.7840

### Deuteranopia

49.6064, 48.5564, 63.2577



## Tritanopia

53.6461, 48.2745, 51.8379

# Trichromacy



## Original Color

56.2022, 48.2140, 64.1017

## Protanomaly

50.3708, 47.9335, 68.8846

## Deuteranomaly

51.6827, 48.1414, 63.6950

## Tritanomaly

54.6296, 48.4025, 56.3325

# Monochromacy



## Original Color

56.2022, 48.2140, 64.1017

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

50.7313, 49.5444, 58.5190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2022, 48.2140, 64.1017 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(226, 167, 205)` looks like.

```
.text, #text, p{  
    color:rgb(226, 167, 205)  
}
```

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(226, 167, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 167, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2022, 48.2140, 64.1017 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(226, 167, 205) }
```



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

```
.border{ border-color:rgb(226, 167, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 167, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 167, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 167, 205); box-shadow:4px 4px 4px 4px rgb(226, 167, 205) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2022, 48.2140, 64.1017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 167, 205) }
```

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

```
.background{ background-color: rgb(226,  
167, 205) }
```

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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