

Converting Colors

XYZ(56.2722, 47.8597, 62.8197)

Have a look what the booklet for
XYZ(56.2722, 47.8597, 62.8197)
contains.

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Color

**XYZ(56.2295, 47.7160,
62.7464)**

Conversions

Conversions Part 1

Format	Color
Hex	E4A5CB
RGB	228, 165, 203
RGB Percent	89%, 65%, 80%
CMY	0.1059, 0.3529, 0.2039
CMYK	0.00, 0.28, 0.11, 0.11
HSL	324°, 54%, 77%
HSV	324°, 28%, 89%
XYZ	56.2295, 47.7160, 62.7464
YIQ	188.1690, 25.3500, 25.1740

Conversions

Conversions Part 2

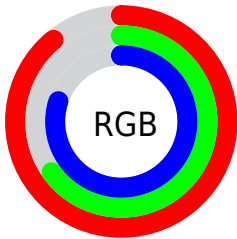
Format	Color
R _Y B	228, 165, 203
Decimal	14984651
CIE Lab	74.65, 29.03, -10.15
CIE LCh	75, 30.748, 340.729
Yxy	47.7160, 0.3373, 0.2863
Android (android.graphics.Color)	4293174731 (0xFFE4A5CB)
YUV	188.1690, 7.3117, 34.9318
Hunter-Lab	69.0768, 24.4173, -5.5028

Details

The XYZ color **56.2295, 47.7160, 62.7464** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.5566, 67.2051, 58.9200**, and the grayscale version is **47.8468, 50.3386, 54.8187**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **28.2322, 22.5289, 31.2943** is the 20% darker color. If you saturate the color by 10%, you get **51.4311, 39.7942, 55.9815**, and if you desaturate by 10%, it is **61.8268, 57.1334, 70.0892**.

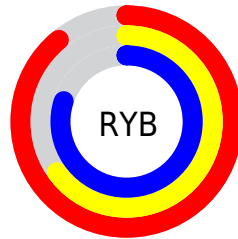
Distribution



Red (89%)

Green (65%)

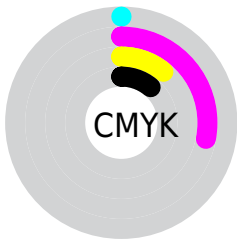
Blue (80%)



Red (89%)

Yellow (65%)

Blue (80%)

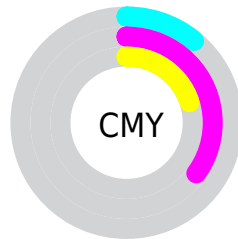


Cyan (0%)

Magenta (28%)

Yellow (11%)

Black (11%)



Cyan (11%)


Magenta (35%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2295, 47.7160, 62.7464 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 56.2295, 47.7160, 62.7464 by changing the saturation by 10% instead.


 56.2295, 47.7160,
62.7464


 56.2295, 47.7160,
62.7464


400.6168,
377.6653, 452.7311

 40.6247, 33.6020,
45.1964

 98.4779, 86.7814,
110.3856

 28.2123, 22.5880,
31.2681


 125.8522,
112.5016, 141.3119

 18.6270, 14.2896,
20.5429


157.8804,
142.8594, 177.5340

 11.5035, 8.3224,
12.6023

194.9278,
178.2391, 219.4705

 6.4763, 4.3019,
7.0278

237.3598,
219.0252, 267.5399

 3.1802, 1.8438,
3.4008

285.5417,

 1.2498, 0.5143,

265.6020, 322.1608

1.3027

339.8390,
318.3539, 383.7517

■ 0.1451, 0.0000,
0.0640

■ 0.0000, 0.0000,
0.0000

■ 56.2295, 47.7160,
62.7464

■ 56.2295, 47.7160,
62.7464

■ 51.4311, 39.7942,
55.9815

■ 61.8268, 57.1334,
70.0892

■ 47.3872, 33.2832,
49.7728

■ 68.2557, 68.1125,
78.0243

■ 44.0557, 28.0996,
44.1016

■ 75.5525, 80.7232,
86.5694

■ 41.3883, 24.1486,
38.9460

■ 83.3639, 94.2576,
95.6115

■ 39.3301, 21.3226,
34.2822

■ 84.7361, 94.8065,
102.8375

■ 37.8171, 19.4951,
30.0829

■ 85.8052, 95.2341,
108.4674

■ 36.7627, 18.4950,
26.3133

■ 36.5479, 18.3152,
25.4713

Harmonies

Analogous

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



52.7039, 47.7160, 78.8294



56.2295, 47.7160, 62.7464



56.7072, 47.7160, 46.4523

Triad

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



56.2295, 47.7160, 62.7464



43.3883, 47.7160, 27.2744



37.7129, 47.7160, 74.6416

Complementary

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



56.2295, 47.7160, 62.7464



52.5566, 67.2051, 58.9200

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.



35.6249, 47.7160, 57.8752



56.2295, 47.7160, 62.7464



38.7188, 47.7160, 32.0090

Square

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



56.2295, 47.7160, 62.7464



48.9790, 47.7160, 28.0509



35.9775, 47.7160, 42.4771



41.9098, 47.7160, 86.6103

Rectangle

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



56.2295, 47.7160, 62.7464



55.1932, 47.7160, 37.8078



35.9775, 47.7160, 42.4771



36.7573, 47.7160, 69.2520

Sweetspot

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



56.2309, 47.7182, 62.7474



87.6077, 87.1574, 100.1239



48.4842, 43.3521, 79.2119



18.4695, 18.1711, 21.0896



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.



56.2309, 47.7182, 62.7474



68.9065, 55.5819, 75.9266



52.9318, 46.3985, 45.3746



14.7402, 14.5133, 16.8324



21.1639, 10.5998, 15.0237



1.6094, 0.8015, 1.3497

Inverse Universe

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



56.2309, 47.7182, 62.7474



68.9065, 55.5819, 75.9266



56.2665, 68.6891, 78.4561



14.7402, 14.5133, 16.8324



21.1639, 10.5998, 15.0237



1.6094, 0.8015, 1.3497

Previews

White Background



This preview shows how the XYZ color 56.2295, 47.7160, 62.7464 looks on a white background.

Color Contrast Check

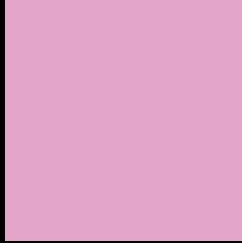
Large Text (above 18pt) WCAG AA × Fail

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 56.2295, 47.7160, 62.7464 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 56.2295, 47.7160, 62.7464

Background



This preview shows how black text looks on a background with the XYZ color 56.2295, 47.7160, 62.7464.



This preview shows how white text looks on a background with the XYZ color 56.2295, 47.7160,

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

56.2295, 47.7160, 62.7464

Protanopia

47.4312, 48.1870, 70.4195

Deuteranopia

48.7936, 47.8797, 61.3136



Tritanopia

53.6828, 47.7609, 50.6454

Trichromacy



Original Color

56.2295, 47.7160, 62.7464



Protanomaly

49.9231, 47.4396, 67.4983



Deuteranomaly

51.1323, 47.6110, 61.7532



Tritanomaly

54.6609, 47.8917, 55.0783

Monochromacy



Original Color

56.2295, 47.7160, 62.7464



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

50.5755, 49.1893, 57.2809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2295, 47.7160, 62.7464 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(228, 165, 203)` looks like.

```
.text, #text, p{  
    color:rgb(228, 165, 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(228, 165, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 165, 203) }
```

Border

The CSS property to change the border of an element to XYZ 56.2295, 47.7160, 62.7464 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(228, 165, 203) }
```


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

```
.border{ border-color:rgb(228, 165, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 165, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 165, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 165, 203);  
box-shadow:4px 4px 4px 4px rgb(228, 165,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2295, 47.7160, 62.7464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 165, 203) }
```

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

```
.background{ background-color: rgb(228,  
165, 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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