

# Converting Colors

XYZ(61.9664, 52.9389, 74.5987)

Have a look what the booklet for  
XYZ(61.9664, 52.9389, 74.5987)  
contains.

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# Color

**XYZ(61.9860, 52.9318,  
74.6600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAAEDC
RGB	234, 174, 220
RGB Percent	92%, 68%, 86%
CMY	0.0823, 0.3176, 0.1373
CMYK	0.00, 0.26, 0.06, 0.08
HSL	314°, 59%, 80%
HSV	314°, 26%, 92%
XYZ	61.9860, 52.9318, 74.6600
YIQ	197.1840, 20.9940, 27.0260

# Conversions

## Conversions Part 2

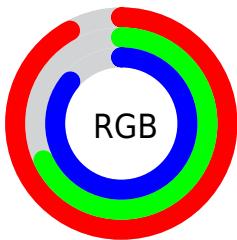
Format	Color
<a href="#">RYB</a>	<a href="#">234, 174, 220</a>
Decimal	<a href="#">15380188</a>
CIELab	<a href="#">77.83, 29.14, -14.58</a>
CIElCh	<a href="#">78, 32.583, 333.421</a>
Yxy	<a href="#">52.9318, 0.3270, 0.2792</a>
Android (android.graphics.Color)	<a href="#">4293570268 (0xFFEAAEDC)</a>
YUV	<a href="#">197.1840, 11.2483, 32.2876</a>
Hunter-Lab	<a href="#">72.7542, 24.7606, -9.9151</a>

# Details

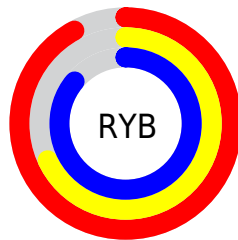
The XYZ color **61.9860, 52.9318, 74.6600** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.9576, 71.4767, 58.4272**, and the grayscale version is **53.1087, 55.8744, 60.8473**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **31.9890, 25.8563, 38.9021** is the 20% darker color. If you saturate the color by 10%, you get **57.1421, 44.3817, 69.5357**, and if you desaturate by 10%, it is **67.6442, 63.0710, 80.1734**.

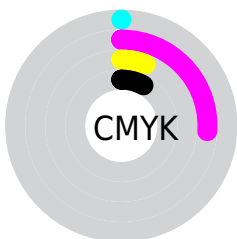
# Distribution



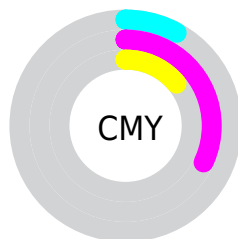
- Red (92%)
- Green (68%)
- Blue (86%)



- Red (92%)
- Yellow (68%)
- Blue (86%)



- Cyan (0%)
- Magenta (26%)
- Yellow (6%)
- Black (8%)



- Cyan (8%)
- Magenta (32%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9860, 52.9318, 74.6600 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 61.9860, 52.9318, 74.6600 by changing the saturation by 10% instead.



61.9860, 52.9318,  
74.6600

61.9860, 52.9318,  
74.6600

421.5984,  
398.0234, 495.9723

45.2769, 37.7483,  
54.8343

106.7953, 94.5040,  
127.5736

31.8778, 25.7874,  
38.8714

135.6264,  
121.6615, 161.4987

21.4233, 16.6647,  
26.3526

169.2287,  
153.5792, 200.9606

13.5480, 9.9957,  
16.8595

207.9678,  
190.6414, 246.3780

7.8866, 5.3961,  
9.9735

252.2089,  
233.2325, 298.1693

4.0736, 2.4815,  
5.2760

302.3175,

1.7439, 0.8674,

281.7370, 356.7531

2.3485

358.6589,  
336.5391, 422.5479

■ 0.4835, 0.0000,  
0.7582

■ 0.0000, 0.0000,  
0.0000

■ 61.9860, 52.9318,  
74.6600

■ 61.9860, 52.9318,  
74.6600

■ 57.1421, 44.3817,  
69.5357

■ 67.6442, 63.0710,  
80.1734

■ 53.0665, 37.3318,  
64.7825

■ 74.1500, 74.8680,  
86.0864

■ 49.7163, 31.6954,  
60.3854

■ 81.5407, 88.3962,  
92.4131

■ 47.0419, 27.3740,  
56.3267

■ 85.6955, 95.4140,  
97.7809

44.9875, 24.2562,  
52.5869

86.5275, 95.7468,  
102.1619

43.4881, 22.2123,  
49.1429

87.3841, 96.0895,  
106.6729

42.4634, 21.0824,  
45.9669

87.7421, 96.2326,  
108.5580

42.1090, 20.7634,  
44.6468

# Harmonies

## Analogous

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



57.3085, 52.9318, 91.8564



61.9860, 52.9318, 74.6600



63.4492, 52.9318, 55.5807

# Triad

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



61.9860, 52.9318, 74.6600



49.5880, 52.9318, 29.3940



40.8290, 52.9318, 79.0191

# Complementary

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



61.9860, 52.9318, 74.6600



55.9576, 71.4767, 58.4272

# 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.



39.1229, 52.9318, 59.7367



61.9860, 52.9318, 74.6600



43.9060, 52.9318, 33.1818

# Square

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



61.9860, 52.9318, 74.6600



55.9487, 52.9318, 31.7644



40.2010, 52.9318, 43.4153



45.0637, 52.9318, 94.7209



# Rectangle

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



61.9860, 52.9318, 74.6600



62.3120, 52.9318, 44.8711



40.2010, 52.9318, 43.4153



39.9576, 52.9318, 72.6123

# Sweetspot

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



61.9876, 52.9342, 74.6611



88.1269, 87.3650, 102.8580



50.7287, 46.9067, 84.2231



18.6007, 18.2236, 21.7804



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.



61.9876, 52.9342, 74.6611



71.9764, 58.3794, 87.2540



58.3639, 51.4847, 55.5790



15.5557, 15.2501, 18.2118



23.7135, 11.6881, 25.3564



1.8985, 0.9323, 2.1827



# Inverse Universe

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



61.9876, 52.9342, 74.6611



71.9764, 58.3794, 87.2540



59.5351, 72.9077, 77.2660



15.5557, 15.2501, 18.2118



23.7135, 11.6881, 25.3564

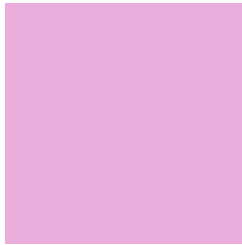


1.8985, 0.9323, 2.1827



# Previews

## White Background



This preview shows how the XYZ color 61.9860, 52.9318, 74.6600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

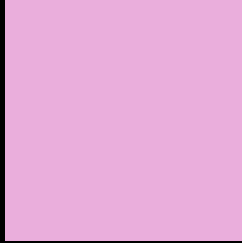
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9860, 52.9318, 74.6600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

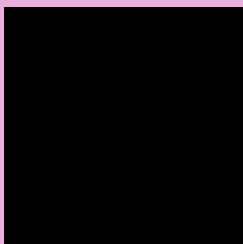
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.9860, 52.9318, 74.6600**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.9860, 52.9318, 74.6600.



This preview shows how white text looks on a background with the XYZ color 61.9860, 52.9318,

74.6600.

# 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

61.9860, 52.9318, 74.6600

### Protanopia

52.8218, 53.2215, 83.0901

### Deuteranopia

54.3270, 53.2556, 73.0616



## Tritanopia

58.3789, 52.9134, 57.5885

# Trichromacy



## Original Color

61.9860, 52.9318, 74.6600

## Protanomaly

55.5712, 52.8005, 79.9356

## Deuteranomaly

56.7398, 52.9260, 73.5549

## Tritanomaly

59.4566, 52.7450, 63.5470

# Monochromacy



## Original Color

61.9860, 52.9318, 74.6600

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

55.7954, 54.5046, 65.3373

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9860, 52.9318, 74.6600 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(234, 174, 220)` looks like.

```
.text, #text, p{  
    color:rgb(234, 174, 220)  
}
```

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(234, 174, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 174, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9860, 52.9318, 74.6600 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(234, 174, 220) }
```



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

```
.border{ border-color:rgb(234, 174, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 174, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 174, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 174, 220);  
box-shadow:4px 4px 4px 4px rgb(234, 174,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9860, 52.9318, 74.6600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 174, 220) }
```

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

```
.background{ background-color: rgb(234,  
174, 220) }
```

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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