

# Converting Colors

XYZ(62.2473, 48.5740, 81.6962)

Have a look what the booklet for  
XYZ(62.2473, 48.5740, 81.6962)  
contains.

<b>XYZ(62.2473, 48.5740, 81.6962)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.2473, 48.5740,  
81.6962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF9EE7
RGB	239, 158, 231
RGB Percent	94%, 62%, 91%
CMY	0.0627, 0.3804, 0.0941
CMYK	0.00, 0.34, 0.03, 0.06
HSL	306°, 72%, 78%
HSV	306°, 34%, 94%
XYZ	62.2473, 48.5740, 81.6962
YIQ	190.5410, 24.8430, 39.8750

# Conversions

## Conversions Part 2

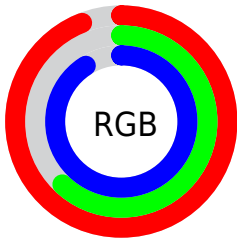
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 158, 231
Decimal	15703783
CIE <sub>Lab</sub>	75.19, 41.17, -24.52
CIE <sub>LCh</sub>	75, 47.916, 329.220
Yxy	48.5740, 0.3233, 0.2523
Android (android.graphics.Color)	4293893863 (0xFFEF9EE7)
YUV	190.5410, 19.9463, 42.4985
Hunter-Lab	69.6951, 37.4588, -20.7129

# Details

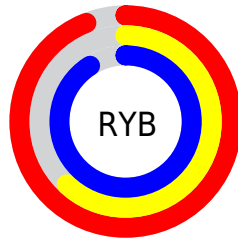
The XYZ color **62.2473, 48.5740, 81.6962** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **51.8521, 71.7569, 47.1969**, and the grayscale version is **49.1353, 51.6942, 56.2950**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **32.0808, 23.1434, 43.3337** is the 20% darker color. If you saturate the color by 10%, you get **58.2294, 41.0674, 78.7233**, and if you desaturate by 10%, it is **67.0655, 57.6721, 84.9591**.

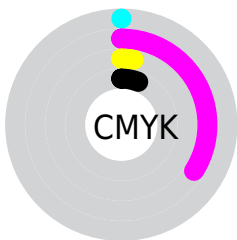
# Distribution



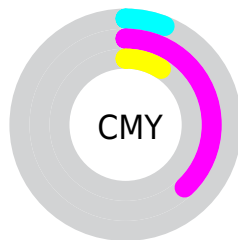
- Red (94%)
- Green (62%)
- Blue (91%)



- Red (94%)
- Yellow (62%)
- Blue (91%)



- Cyan (0%)
- Magenta (34%)
- Yellow (3%)
- Black (6%)




- Cyan (6%)
- Magenta (38%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2473, 48.5740, 81.6962 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 62.2473, 48.5740, 81.6962 by changing the saturation by 10% instead.




 62.2473, 48.5740,  
81.6962


 62.2473, 48.5740,  
81.6962


422.5358,  
381.0628, 520.4877

 45.4889, 34.2817,  
60.5808

 107.1708, 88.0584,  
137.5807

 32.0456, 23.1101,  
43.4586


 136.0666,  
114.0193, 173.1870

 21.5521, 14.6748,  
29.9110


169.7389,  
144.6385, 214.4605

 13.6429, 8.5915,  
19.5196

208.5531,  
180.3004, 261.8200

 7.9527, 4.4757,  
11.8657

252.8746,  
221.3894, 315.6839

 4.1163, 1.9431,  
6.5309

303.0686,

 1.7681, 0.5741,

268.2898, 376.4708

3.0965

359.5005,  
321.3862, 444.5992

■ 0.4984, 0.0000,  
1.1441

■ 0.0000, 0.0000,  
0.0000

■ 62.2473, 48.5740,  
81.6962

■ 62.2473, 48.5740,  
81.6962

■ 58.2294, 41.0674,  
78.7233

■ 67.0655, 57.6721,  
84.9591

■ 54.9610, 35.0535,  
76.0218

■ 72.7217, 68.4402,  
88.5231

■ 52.3928, 30.4328,  
73.5758

■ 79.2570, 80.9590,  
92.4025

■ 50.4674, 27.0907,  
71.3659

■ 86.7083, 95.3026,  
96.6096

49.1186, 24.8946,  
69.3701

87.5053, 96.3303,  
98.6212

48.2655, 23.6828,  
67.5613

87.8638, 96.4737,  
100.5092

47.9135, 23.2775,  
66.5231

88.2270, 96.6189,  
102.4215

88.5947, 96.7660,  
104.3581

88.9671, 96.9150,  
106.3191

# Harmonies

## Analogous

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



54.9111, 48.5740, 107.3150



62.2473, 48.5740, 81.6962



65.1935, 48.5740, 53.5500

# Triad

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



62.2473, 48.5740, 81.6962



46.3984, 48.5740, 17.7741



32.9439, 48.5740, 80.1817

# Complementary

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



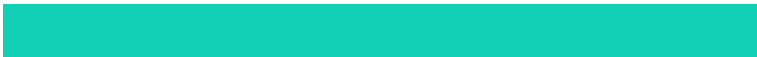
62.2473, 48.5740, 81.6962



51.8521, 71.7569, 47.1969

# 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.



31.2590, 48.5740, 52.2331



62.2473, 48.5740, 81.6962



38.4062, 48.5740, 20.9151

# Square

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



62.2473, 48.5740, 81.6962



55.3593, 48.5740, 21.2719



33.1278, 48.5740, 31.8009



38.0551, 48.5740, 106.2632



# Rectangle

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



62.2473, 48.5740, 81.6962



64.0180, 48.5740, 38.5134



33.1278, 48.5740, 31.8009



31.9890, 48.5740, 70.4586

# Sweetspot

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



62.2488, 48.5762, 81.6972



87.0449, 84.6346, 104.2441



43.2742, 38.6608, 86.8440



18.4085, 17.6891, 22.1789



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.



62.2488, 48.5762, 81.6972



68.6498, 49.7892, 92.1166



57.3121, 46.6015, 55.7006



16.3830, 16.0029, 19.5732



26.5054, 12.8746, 36.9074



2.2243, 1.0788, 3.1722



# Inverse Universe

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



62.2488, 48.5762, 81.6972



68.6498, 49.7892, 92.1166



56.0186, 73.4235, 69.1376



16.3830, 16.0029, 19.5732



26.5054, 12.8746, 36.9074



2.2243, 1.0788, 3.1722



# Previews

## White Background



This preview shows how the XYZ color 62.2473, 48.5740, 81.6962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

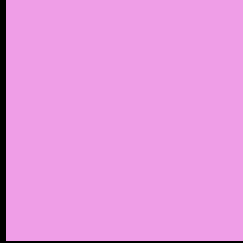
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2473, 48.5740, 81.6962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

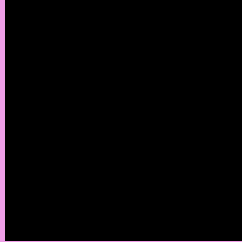
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.2473, 48.5740, 81.6962**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2473, 48.5740, 81.6962.



This preview shows how white text looks on a background with the XYZ color 62.2473, 48.5740,

81.6962.

# 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

62.2473, 48.5740, 81.6962

### Protanopia

49.9687, 48.9220, 96.4318

### Deuteranopia

50.1215, 49.0692, 79.5027



## Tritanopia

55.9474, 48.6651, 50.1606

# Trichromacy



## Original Color

62.2473, 48.5740, 81.6962



## Protanomaly

53.1554, 48.0204, 90.4717



## Deuteranomaly

53.5758, 48.1851, 79.8757



## Tritanomaly

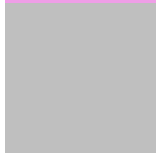
57.8452, 48.3366, 60.3140

# Monochromacy



## Original Color

62.2473, 48.5740, 81.6962



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

53.2731, 50.1063, 65.2562

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2473, 48.5740, 81.6962 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(239, 158, 231)` looks like.

```
.text, #text, p{  
    color:rgb(239, 158, 231)  
}
```

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(239, 158, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 158, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2473, 48.5740, 81.6962 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(239, 158, 231) }
```



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

```
.border{ border-color:rgb(239, 158, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 158, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 158, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 158, 231);  
box-shadow:4px 4px 4px 4px rgb(239, 158,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2473, 48.5740, 81.6962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 158, 231) }
```

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

```
.background{ background-color: rgb(239,  
158, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor