

# Converting Colors

XYZ(62.2152, 58.4962, 88.7036)

Have a look what the booklet for  
XYZ(62.2152, 58.4962, 88.7036)  
contains.

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# Color

**XYZ(62.2341, 58.6091,  
88.9215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6C1EE
RGB	214, 193, 238
RGB Percent	84%, 76%, 93%
CMY	0.1608, 0.2431, 0.0667
CMYK	0.10, 0.19, 0.00, 0.07
HSL	268°, 57%, 85%
HSV	268°, 19%, 93%
XYZ	62.2341, 58.6091, 88.9215
YIQ	204.4090, -1.9290, 18.4470

# Conversions

## Conversions Part 2

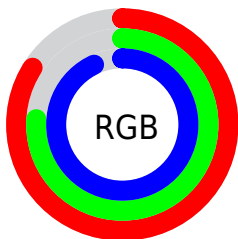
Format	Color
R <sub>YB</sub>	214, 193, 238
Decimal	14074350
CIE Lab	81.08, 15.74, -19.57
CIE LCh	81, 25.118, 308.816
Yxy	58.6091, 0.2967, 0.2794
Android (android.graphics.Color)	4292264430 (0xFFD6C1EE)
YUV	204.4090, 16.5604, 8.4113
Hunter-Lab	76.5566, 11.1316, -15.2765

# Details

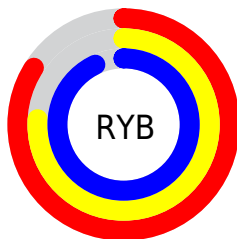
The XYZ color **62.2341, 58.6091, 88.9215** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.8175, 79.7525, 62.2216**, and the grayscale version is **57.5541, 60.5514, 65.9404**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **31.9742, 29.2136, 48.2095** is the 20% darker color. If you saturate the color by 10%, you get **53.8291, 47.0855, 87.1411**, and if you desaturate by 10%, it is **71.7781, 71.9798, 91.0002**.

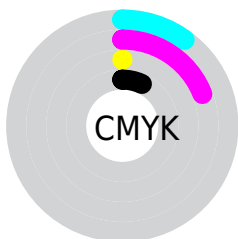
# Distribution



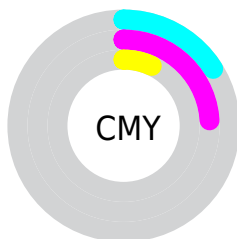
- Red (84%)
- Green (76%)
- Blue (93%)



- Red (84%)
- Yellow (76%)
- Blue (93%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (24%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2341, 58.6091, 88.9215 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 62.2341, 58.6091, 88.9215 by changing the saturation by 10% instead.



62.2341, 58.6091,  
88.9215

62.2341, 58.6091,  
88.9215

422.4885,  
419.4518, 544.9956

45.4782, 42.2985,  
66.5178

107.1518,  
102.8093, 147.7618

32.0371, 29.3351,  
48.2337

136.0444,  
131.4678, 185.0355

21.5455, 19.3345,  
33.6507

169.7132,  
165.0109, 228.1030

13.6381, 11.9122,  
22.3502

208.5236,  
203.8232, 277.3827

7.9494, 6.6839,  
13.9137

252.8410,  
248.2891, 333.2933

4.1141, 3.2652,  
7.9226

303.0307,

1.7669, 1.2717,

298.7929, 396.2533

3.9584

359.4580,  
355.7190, 466.6812

■ 0.4976, 0.1191,  
1.6025

■ 0.0000, 0.0000,  
0.2926

■ 62.2341, 58.6091,  
88.9215

■ 62.2341, 58.6091,  
88.9215

■ 53.8291, 47.0855,  
87.1411

■ 71.7781, 71.9798,  
91.0002

■ 46.5107, 37.3173,  
85.6414

■ 82.4997, 87.2688,  
93.3862

■ 40.2302, 29.2160,  
84.4087

■ 91.3681, 98.4042,  
95.0681

■ 34.9327, 22.6823,  
83.4268

■ 92.4328, 98.9531,  
95.1179

■ 30.5576, 17.6058,  
82.6775

■ 27.0365, 13.8613,  
82.1403

■ 24.2896, 11.3007,  
81.7909

■ 22.2005, 9.7040,  
81.5928

■ 21.9960, 9.5566,  
81.5751

# Harmonies

## Analogous

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



57.2579, 58.6091, 96.6259



62.2341, 58.6091, 88.9215



65.5937, 58.6091, 74.7711

# Triad

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



62.2341, 58.6091, 88.9215



59.4107, 58.6091, 40.5996



46.3690, 58.6091, 68.3207

# Complementary

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



62.2341, 58.6091, 88.9215



68.8175, 79.7525, 62.2216

# 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.



46.8658, 58.6091, 53.9857



62.2341, 58.6091, 88.9215



54.1828, 58.6091, 39.4259

# Square

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



62.2341, 58.6091, 88.9215



63.8942, 58.6091, 47.4471



49.6515, 58.6091, 43.9446



48.2494, 58.6091, 83.5719



# Rectangle

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



62.2341, 58.6091, 88.9215



66.3502, 58.6091, 64.4110



49.6515, 58.6091, 43.9446



46.2661, 58.6091, 63.2234

# Sweetspot

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



62.2359, 58.6116, 88.9228



87.4231, 89.1087, 107.1997



62.4337, 67.5259, 90.6330



18.5410, 18.8299, 22.9073



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.



62.2359, 58.6116, 88.9228



68.5222, 62.6603, 103.0909



69.0134, 62.1055, 89.2400



15.5985, 15.5902, 19.9087



12.4178, 5.4070, 45.5170



1.1468, 0.5085, 3.7919



# Inverse Universe

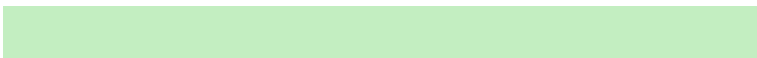
The Inverse Universe completely reimagines the original color for something new.



66.8562, 61.3293, 73.9624



75.0114, 66.4789, 82.0091



62.7726, 76.6363, 61.9387



16.1252, 15.8998, 18.2156



21.8725, 11.0214, 12.5112



1.8698, 0.9370, 1.3053



# Previews

## White Background



This preview shows how the XYZ color 62.2341, 58.6091, 88.9215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

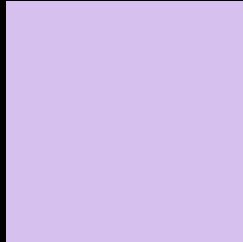
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2341, 58.6091, 88.9215 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 62.2341, 58.6091, 88.9215

## Background



This preview shows how black text looks on a background with the XYZ color 62.2341, 58.6091, 88.9215.



This preview shows how white text looks on a background with the XYZ color 62.2341, 58.6091,



# 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

62.2341, 58.6091, 88.9215

### Protanopia

58.4195, 58.9258, 92.2992

### Deuteranopia

60.1542, 58.8843, 88.3161



## Tritanopia

58.5548, 58.4382, 71.1443

# Trichromacy



## Original Color

62.2341, 58.6091, 88.9215

## Protanomaly

59.6629, 58.5627, 91.3783

## Deuteranomaly

61.0384, 59.0042, 88.2926

## Tritanomaly

59.7887, 58.6027, 77.2675

# Monochromacy



## Original Color

62.2341, 58.6091, 88.9215

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

59.0614, 59.6763, 73.3716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2341, 58.6091, 88.9215 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(214, 193, 238)` looks like.

```
.text, #text, p{  
    color:rgb(214, 193, 238)  
}
```

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(214, 193, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 193, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2341, 58.6091, 88.9215 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(214, 193, 238) }
```



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

```
.border{ border-color:rgb(214, 193, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 193, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 193, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 193, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 193,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2341, 58.6091, 88.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 193, 238) }
```

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

```
.background{ background-color: rgb(214,  
193, 238) }
```

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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