

# Converting Colors

XYZ(62.2235, 60.8725, 77.5773)

Have a look what the booklet for  
XYZ(62.2235, 60.8725, 77.5773)  
contains.

<b>XYZ(62.2235, 60.8725, 77.5773)</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(62.2235, 60.8725,  
77.5773)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9C7DE
RGB	217, 199, 222
RGB Percent	85%, 78%, 87%
CMY	0.1490, 0.2196, 0.1294
CMYK	0.02, 0.10, 0.00, 0.13
HSL	287°, 26%, 83%
HSV	287°, 10%, 87%
XYZ	62.2235, 60.8725, 77.5773
YIQ	207.0040, 3.3450, 10.9690

# Conversions

## Conversions Part 2

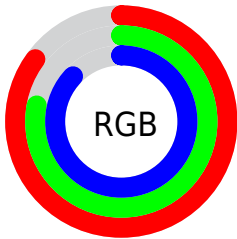
Format	Color
R <sub>Y</sub> B	217, 199, 222
Decimal	14272478
CIE Lab	82.31, 10.40, -9.13
CIE LCh	82, 13.840, 318.725
Yxy	60.8725, 0.3101, 0.3033
Android (android.graphics.Color)	4292462558 (0xFFD9C7DE)
YUV	207.0040, 7.3930, 8.7665
Hunter-Lab	78.0208, 5.8216, -4.3384

# Details

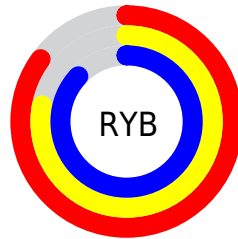
The XYZ color **62.2235, 60.8725, 77.5773** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.3342, 69.2051, 64.1612**, and the grayscale version is **59.2647, 62.3510, 67.9003**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.0007, 30.7222, 40.8026** is the 20% darker color. If you saturate the color by 10%, you get **56.0704, 50.6643, 75.9321**, and if you desaturate by 10%, it is **69.1673, 72.5978, 79.4755**.

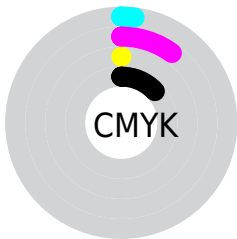
# Distribution



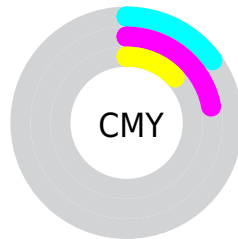
- Red (85%)
- Green (78%)
- Blue (87%)



- Red (85%)
- Yellow (78%)
- Blue (87%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (22%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2235, 60.8725, 77.5773 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 62.2235, 60.8725, 77.5773 by changing the saturation by 10% instead.



62.2235, 60.8725,  
77.5773

62.2235, 60.8725,  
77.5773

422.4505,  
427.8064, 506.2199

45.4696, 44.1223,  
57.2124

107.1366,  
106.0943, 131.7345

32.0303, 30.7667,  
40.7653

136.0265,  
135.3347, 166.3639

21.5403, 20.4212,  
27.8174

169.6925,  
169.5072, 206.5853

13.6342, 12.7016,  
17.9502

208.4998,  
208.9963, 252.8171

7.9467, 7.2234,  
10.7452

252.8140,  
254.1864, 305.4780

4.1124, 3.6022,  
5.7838

303.0002,

1.7659, 1.4536,

305.4618, 364.9863

2.6474

359.4239,  
363.2070, 431.7608

■ 0.4970, 0.2557,  
0.9168

■ 0.0000, 0.0000,  
0.0000

■ 62.2235, 60.8725,  
77.5773

■ 62.2235, 60.8725,  
77.5773

■ 56.0704, 50.6643,  
75.9321

■ 69.1673, 72.5978,  
79.4755

■ 50.6701, 41.9009,  
74.5253

■ 76.9269, 85.8929,  
81.6327

■ 45.9896, 34.5159,  
73.3465

■ 82.0557, 93.8632,  
82.9008

■ 41.9912, 28.4343,  
72.3834

■ 83.6396, 94.6797,  
82.9749

■ 38.6336, 23.5742,  
71.6222

■ 85.2669, 95.5186,  
83.0511

■ 35.8709, 19.8441,  
71.0479

■ 86.9378, 96.3800,  
83.1293

■ 33.6504, 17.1395,  
70.6429

■ 88.6527, 97.2640,  
83.2095

■ 31.9097, 15.3361,  
70.3865

■ 90.1850, 98.0540,  
83.2812

■ 30.5812, 14.2421,  
70.2454

# Harmonies

## Analogous

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



59.6965, 60.8725, 82.8758



62.2235, 60.8725, 77.5773



63.5971, 60.8725, 69.5051

# Triad

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



62.2235, 60.8725, 77.5773



58.9730, 60.8725, 51.5984



52.6529, 60.8725, 71.6297

# Complementary

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



62.2235, 60.8725, 77.5773



61.3342, 69.2051, 64.1612

# 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.



52.4740, 60.8725, 63.1559



62.2235, 60.8725, 77.5773



56.0566, 60.8725, 52.0619

# Square

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



62.2235, 60.8725, 77.5773



61.6783, 60.8725, 54.8113



53.7006, 60.8725, 56.1361



54.1978, 60.8725, 79.2459



# Rectangle

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



62.2235, 60.8725, 77.5773



63.6438, 60.8725, 63.8473



53.7006, 60.8725, 56.1361



52.4330, 60.8725, 68.7733

# Sweetspot

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



62.2253, 60.8751, 77.5786



92.0486, 94.9017, 108.0741



58.4207, 60.7790, 77.7606



19.5342, 20.0283, 23.0862



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.



62.2253, 60.8751, 77.5786



83.6478, 80.7665, 105.7885



62.9269, 61.3301, 73.3983



13.9882, 13.7774, 17.3097



18.2623, 8.5099, 41.7284



1.3391, 0.6276, 2.8958



# Inverse Universe

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



61.4489, 60.7389, 65.6149



82.4346, 80.5591, 86.8453



60.7122, 68.8005, 67.9246



13.8286, 13.7491, 14.8676



18.2472, 9.3659, 2.7015

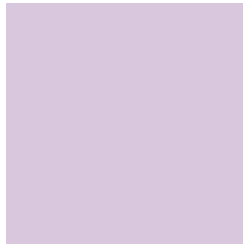


1.2980, 0.6625, 0.3621



# Previews

## White Background



This preview shows how the XYZ color 62.2235, 60.8725, 77.5773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

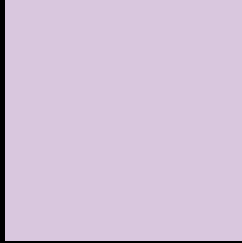
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2235, 60.8725, 77.5773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

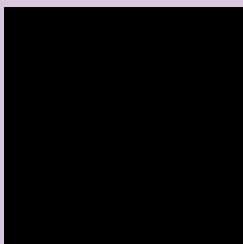
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.2235, 60.8725, 77.5773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2235, 60.8725, 77.5773.



This preview shows how white text looks on a background with the XYZ color 62.2235, 60.8725,



# 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

62.2235, 60.8725, 77.5773

### Protanopia

59.5751, 60.8446, 79.8384

### Deuteranopia

62.2235, 60.8725, 77.5773



## Tritanopia

61.3678, 60.8654, 73.4795

# Trichromacy



## Original Color

62.2235, 60.8725, 77.5773

## Protanomaly

60.5875, 61.0328, 79.1082

## Deuteranomaly

62.2235, 60.8725, 77.5773

## Tritanomaly

61.6281, 60.9694, 74.8498

# Monochromacy



## Original Color

62.2235, 60.8725, 77.5773

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

60.3405, 61.7881, 71.0334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2235, 60.8725, 77.5773 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(217, 199, 222) looks like.

```
.text, #text, p{  
    color:rgb(217, 199, 222)  
}
```

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(217, 199, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 199, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2235, 60.8725, 77.5773 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".

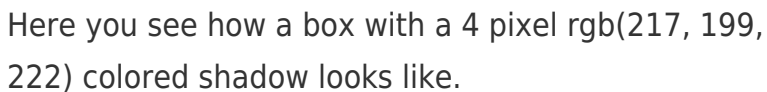
```
.border, #border, table{ border:4px solid rgb(217, 199, 222) }
```



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

```
.border{ border-color:rgb(217, 199, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 199, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 199, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 199, 222);  
box-shadow:4px 4px 4px 4px rgb(217, 199,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2235, 60.8725, 77.5773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 199, 222) }
```

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

```
.background{ background-color: rgb(217,  
199, 222) }
```

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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