

# Converting Colors

XYZ(66.5378, 62.8063, 90.0424)

Have a look what the booklet for  
XYZ(66.5378, 62.8063, 90.0424)  
contains.

<b>XYZ(66.7439, 62.9261, 90.2895)</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(66.7439, 62.9261,  
90.2895)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0C7EF
RGB	224, 199, 239
RGB Percent	88%, 78%, 94%
CMY	0.1216, 0.2196, 0.0627
CMYK	0.06, 0.17, 0.00, 0.06
HSL	277°, 56%, 86%
HSV	277°, 17%, 94%
XYZ	66.7439, 62.9261, 90.2895
YIQ	211.0350, 2.0600, 17.7400

# Conversions

## Conversions Part 2

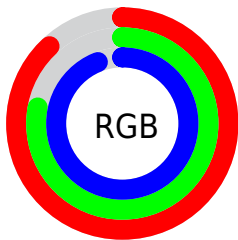
Format	Color
R <sub>Y</sub> B	224, 199, 239
Decimal	14731247
CIE Lab	83.40, 15.96, -16.51
CIE LCh	83, 22.963, 314.020
Yxy	62.9261, 0.3034, 0.2861
Android (android.graphics.Color)	4292921327 (0xFFE0C7EF)
YUV	211.0350, 13.7867, 11.3703
Hunter-Lab	79.3260, 11.3673, -11.9562

# Details

The XYZ color **66.7439, 62.9261, 90.2895** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.9090, 80.1542, 65.8752**, and the grayscale version is **61.8525, 65.0736, 70.8652**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0348, 32.1047, 49.1500** is the 20% darker color. If you saturate the color by 10%, you get **58.9664, 51.3858, 88.4729**, and if you desaturate by 10%, it is **75.5353, 76.2744, 92.4036**.

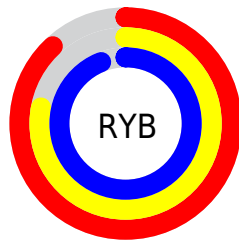
# Distribution



Red (88%)

Green (78%)

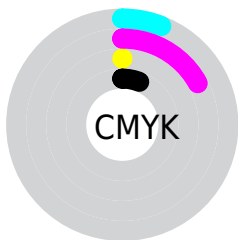
Blue (94%)



Red (88%)

Yellow (78%)

Blue (94%)

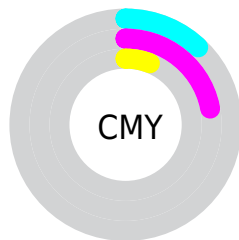


Cyan (6%)

Magenta (17%)

Yellow (0%)

Black (6%)



Cyan (12%)

Magenta (22%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7439, 62.9261, 90.2895 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 66.7439, 62.9261, 90.2895 by changing the saturation by 10% instead.



66.7439, 62.9261,  
90.2895

66.7439, 62.9261,  
90.2895

438.4795,  
435.3012, 549.5665

49.1465, 45.7814,  
67.6457

113.6052,  
109.0629, 149.6795

34.9507, 32.0734,  
49.1447

143.5998,  
138.8238, 187.2628

23.7912, 21.4176,  
34.3678

178.4574,  
173.5589, 230.6630

15.3027, 13.4296,  
22.8967

218.5435,  
213.6526, 280.2986

9.1198, 7.7250,  
14.3127

264.2234,  
259.4893, 336.5882

4.8772, 3.9195,  
8.1972

315.8625,

2.2094, 1.6286,

311.4534, 399.9504

4.1318

373.8260,  
369.9292, 470.8037

■ 0.7477, 0.3768,  
1.6979

■ 0.0000, 0.0000,  
0.3593

■ 66.7439, 62.9261,  
90.2895

■ 66.7439, 62.9261,  
90.2895

■ 58.9664, 51.3858,  
88.4729

■ 75.5353, 76.2744,  
92.4036

■ 52.1545, 41.5639,  
86.9361

■ 85.3745, 91.4989,  
94.8236

■ 46.2646, 33.3752,  
85.6659

■ 91.0845, 98.2410,  
95.8240

■ 41.2469, 26.7237,  
84.6465

■ 92.5802, 99.0121,  
95.8940

■ 37.0465, 21.5031,  
83.8602

■ 33.6014, 17.5933,  
83.2871

■ 30.8395, 14.8535,  
82.9039

■ 28.6698, 13.1058,  
82.6809

■ 28.0426, 12.6567,  
82.6273

# Harmonies

## Analogous

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



62.1695, 62.9261, 98.8600



66.7439, 62.9261, 90.2895



69.5387, 62.9261, 76.3808

# Triad

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



66.7439, 62.9261, 90.2895



62.4960, 62.9261, 45.3034



50.9562, 62.9261, 75.4069

# Complementary

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



66.7439, 62.9261, 90.2895



68.9090, 80.1542, 65.8752

# 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.



51.0327, 62.9261, 61.2102



66.7439, 62.9261, 90.2895



57.5098, 62.9261, 45.1186

# Square

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



66.7439, 62.9261, 90.2895



66.9944, 62.9261, 51.1041



53.3726, 62.9261, 50.5584



53.1574, 62.9261, 89.4914



# Rectangle

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



66.7439, 62.9261, 90.2895



69.9241, 62.9261, 66.6030



53.3726, 62.9261, 50.5584



50.7204, 62.9261, 70.4649

# Sweetspot

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



66.7458, 62.9288, 90.2909



89.3793, 91.2376, 107.5076



63.2666, 66.6386, 91.1903



18.9656, 19.2745, 22.9707



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.



66.7458, 62.9288, 90.2909



74.1932, 68.2171, 103.8646



70.9210, 65.1598, 86.9336



15.8465, 15.7181, 19.9203



15.6469, 7.0717, 45.6682



1.4115, 0.6449, 3.8043



# Inverse Universe

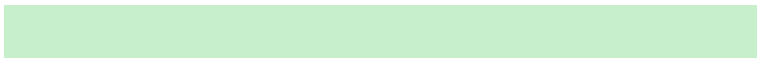
The Inverse Universe completely reimagines the original color for something new.



68.1597, 64.0553, 72.3926



76.1691, 69.7802, 79.3553



65.2810, 78.2204, 68.5775



16.0180, 15.8569, 17.6509



20.7411, 10.5689, 6.5531



1.7722, 0.8979, 0.7912



# Previews

## White Background



This preview shows how the XYZ color 66.7439, 62.9261, 90.2895 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

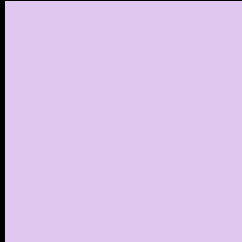
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.7439, 62.9261, 90.2895 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 66.7439, 62.9261, 90.2895**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.7439, 62.9261, 90.2895.



This preview shows how white text looks on a background with the XYZ color 66.7439, 62.9261,



# 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

66.7439, 62.9261, 90.2895

### Protanopia

62.4878, 63.0918, 94.4724

### Deuteranopia

64.5201, 63.1811, 89.6835



## Tritanopia

63.8296, 63.1460, 75.1539

# Trichromacy



## Original Color

66.7439, 62.9261, 90.2895

## Protanomaly

63.6774, 62.6780, 92.7463

## Deuteranomaly

65.4666, 63.3195, 89.6604

## Tritanomaly

64.9722, 63.2616, 80.7378

# Monochromacy



## Original Color

66.7439, 62.9261, 90.2895

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.6829, 64.4450, 77.4893

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.7439, 62.9261, 90.2895 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(224, 199, 239)` looks like.

```
.text, #text, p{  
    color:rgb(224, 199, 239)  
}
```

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(224, 199, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 199, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 66.7439, 62.9261, 90.2895 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(224, 199, 239) }
```



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

```
.border{ border-color:rgb(224, 199, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 199, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 199, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 199, 239);  
box-shadow:4px 4px 4px 4px rgb(224, 199,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.7439, 62.9261, 90.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 199, 239) }
```

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

```
.background{ background-color: rgb(224,  
199, 239) }
```

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