

# Converting Colors

CIELCh(62, 45.498, 280.715)

Have a look what the booklet for  
CIELCh(62, 45.498, 280.715)  
contains.

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# **Color**

**CIELCh(62, 45.622, 280.703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6C95E5
RGB	108, 149, 229
RGB Percent	42%, 58%, 90%
CMY	0.5758, 0.4151, 0.1014
CMYK	0.53, 0.35, 0.00, 0.10
HSL	220°, 70%, 66%
HSV	220°, 53%, 90%
XYZ	31.1369, 30.4025, 78.4678
YIQ	145.8610, -50.1160, 16.1880

# Conversions

## Conversions Part 2

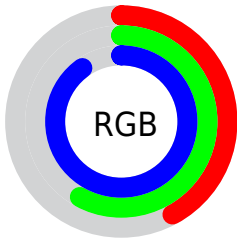
Format	Color
R <sub>Y</sub> B	108, 139, 229
Decimal	7116261
CIE Lab	62.00, 8.47, -44.83
CIE LCh	62, 45.622, 280.703
Yxy	30.4025, 0.2224, 0.2171
Android (android.graphics.Color)	4285306341 (0xFF6C95E5)
YUV	145.8610, 40.9875, -33.2041
Hunter-Lab	55.1385, 4.3073, -45.7789

# Details

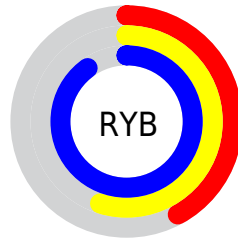
The CIELCh color **62, 45.622, 280.703** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **78, 45.921, 83.608**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 29.442, 269.841**, and **42, 45.442, 280.570** is the 20% darker color. If you saturate the color by 10%, you get **57, 54.791, 283.657**, and if you desaturate by 10%, it is **67, 36.660, 278.134**.

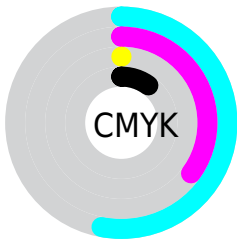
# Distribution



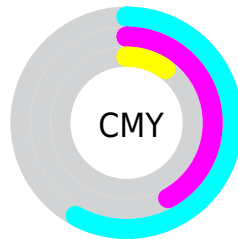
- Red (42%)
- Green (58%)
- Blue (90%)



- Red (42%)
- Yellow (55%)
- Blue (90%)



- Cyan (53%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)




- Cyan (58%)
- Magenta (42%)
- Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 45.622, 280.703 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 CIELCh color 62, 45.622, 280.703 by changing the saturation by 10% instead.





 62, 45.622,  
280.703


 62, 45.622,  
280.703


 100, 45.622,  
280.703


 52, 45.622,  
280.703


 82, 45.622,  
280.703

 42, 45.622,  
280.703

 92, 45.622,  
280.703

 32, 45.622,  
280.703

 22, 45.622,  
280.703

 12, 45.622,  
280.703

 2, 45.622, 280.703

 0, 45.622, 280.703

62, 45.622,  
280.703

62, 45.622,  
280.703

57, 54.791,  
283.657

67, 36.660,  
278.134

52, 64.210,  
286.976

73, 27.870,  
275.928

47, 73.887,  
290.572

78, 19.226,  
274.046

43, 83.722,  
294.272

84, 10.715,  
272.447

40, 90.767,  
296.811

89, 2.333, 271.158

95, 5.920, 89.809

99, 13.080,  
109.189

# Harmonies

# Complementary

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



62, 45.622, 280.703



78, 45.921, 83.608

# Rectangle

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



62, 45.622, 280.703



62, 45.622, 330.703



62, 45.622, 100.703



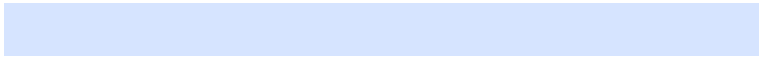
62, 45.622, 150.703

# Sweetspot

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



62, 45.621, 280.704



90, 14.641, 272.944



83, 45.145, 166.691



47, 9.900, 273.272



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62, 45.621, 280.704



63, 59.977, 283.837



53, 69.849, 301.803



45, 4.750, 271.971



31, 74.013, 296.205



6, 25.304, 287.517





# Inverse Universe

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



61, 51.082, 0.487



63, 65.370, 3.029



88, 60.662, 112.235



45, 5.301, 354.170



38, 65.957, 17.387



7, 26.715, 6.249



# Previews

## White Background



This preview shows how the CIELCh color 62, 45.622, 280.703 looks on a white background.

## Color Contrast Check

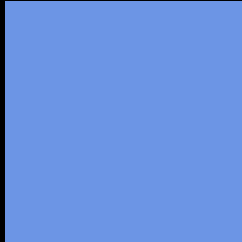
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 62, 45.622, 280.703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

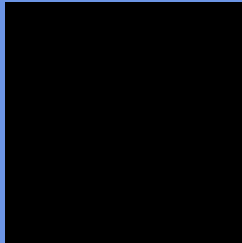
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

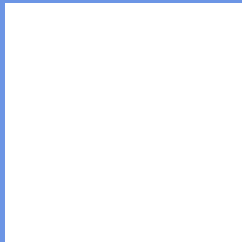
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 62, 45.622, 280.703

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.622, 280.703.



This preview shows how white text looks on a background with the CIELCh color 62, 45.622, 280.703.

# 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, 45.622, 280.703

**Protanopia**  
62, 45.112, 285.446

**Deuteranopia**  
62, 45.576, 280.994



**Tritanopia**  
62, 23.176, 216.154



# Trichromacy



**Original Color**  
62, 45.622, 280.703

**Protanomaly**  
62, 45.283, 283.473

**Deuteranomaly**  
62, 45.576, 280.994

**Tritanomaly**  
62, 26.726, 249.946

# Monochromacy



**Original Color**  
62, 45.622, 280.703

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 16.988, 274.183

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 45.622, 280.703 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(108, 149, 229)` looks like.

```
.text, #text, p{  
    color:rgb(108, 149, 229)  
}
```

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(108, 149, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 149, 229) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 45.622, 280.703 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(108, 149, 229) }
```

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

```
.border{ border-color:rgb(108, 149, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 149, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 149, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 149, 229); box-shadow:4px 4px 4px 4px rgb(108, 149, 229) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 45.622, 280.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 149, 229) }
```

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

```
.background{ background-color: rgb(108,  
149, 229) }
```

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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