

# Converting Colors

CIELCh(65, 20.421, 294.710)

Have a look what the booklet for  
CIELCh(65, 20.421, 294.710)  
contains.

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# Color

**CIELCh(65, 20.655, 295.222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D9ABF
RGB	157, 154, 191
RGB Percent	62%, 60%, 75%
CMY	0.3843, 0.3960, 0.2509
CMYK	0.18, 0.19, 0.00, 0.25
HSL	245°, 22%, 68%
HSV	245°, 19%, 75%
XYZ	34.8705, 34.0472, 54.0319
YIQ	159.1150, -10.0890, 12.1430

# Conversions

## Conversions Part 2

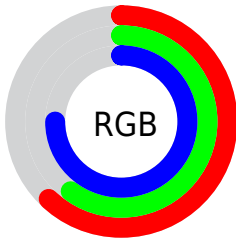
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 154, 191
Decimal	10328767
CIELab	65.00, 8.80, -18.69
CIELCh	65, 20.655, 295.222
Yxy	34.0472, 0.2836, 0.2769
Android (android.graphics.Color)	4288518847 (0xFF9D9ABF)
YUV	159.1150, 15.7193, -1.8549
Hunter-Lab	58.3500, 4.5608, -14.0574

# Details

The CIELCh color `65, 20.655, 295.222` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `76, 19.765, 111.746`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 20.627, 295.644`, and `45, 20.360, 295.005` is the 20% darker color. If you saturate the color by 10%, you get `59, 31.963, 296.418`, and if you desaturate by 10%, it is `71, 9.796, 294.195`.

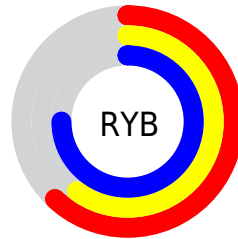
# Distribution



Red (62%)

Green (60%)

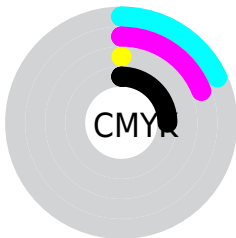
Blue (75%)



Red (62%)

Yellow (60%)

Blue (75%)

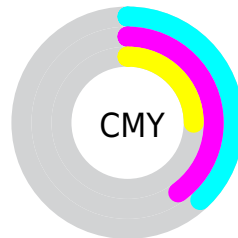


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (25%)



Cyan (38%)

Magenta (40%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 20.655, 295.222 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 65, 20.655, 295.222 by changing the saturation by 10% instead.





 65, 20.655,  
295.222


 65, 20.655,  
295.222


 100, 20.655,  
295.222


 55, 20.655,  
295.222


 85, 20.655,  
295.222

 45, 20.655,  
295.222

 95, 20.655,  
295.222

 35, 20.655,  
295.222

 25, 20.655,  
295.222

 15, 20.655,  
295.222

 5, 20.655, 295.222

 0, 20.655, 295.222

65, 20.655,  
295.222

65, 20.655,  
295.222

59, 31.963,  
296.418

71, 9.796, 294.195

52, 43.736,  
297.801

78, 0.637, 113.263

46, 55.940,  
299.371

84, 10.673,  
112.560

40, 68.432,  
301.095

90, 20.341,  
111.920

34, 80.821,  
302.877

96, 29.667,  
111.370

29, 92.254,  
304.528

99, 32.206,  
107.727

26, 101.302,  
305.772

23, 106.937,

306.481

■ 23, 107.257,  
306.530

# Harmonies

# Complementary

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



65, 20.655, 295.222



76, 19.765, 111.746

# Rectangle

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



65, 20.655, 295.222



65, 20.655, 345.222



65, 20.655, 115.222



65, 20.655, 165.222

# Sweetspot

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



65, 20.653, 295.221



93, 7.692, 293.894



74, 12.132, 204.863



49, 5.150, 293.953



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



65, 20.653, 295.221



79, 30.500, 295.677



67, 21.937, 312.204



36, 5.866, 294.193



18, 93.170, 306.581



1, 17.464, 292.898



# Inverse Universe

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



68, 23.181, 327.796



84, 33.970, 328.028



75, 21.454, 130.519



37, 6.687, 327.210



37, 75.925, 331.700



3, 19.843, 328.472



# Previews

## White Background



This preview shows how the CIELCh color 65, 20.655, 295.222 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 65, 20.655, 295.222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

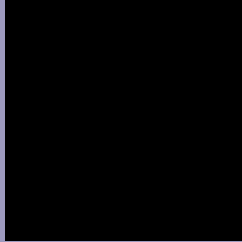
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 20.655, 295.222

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 20.655, 295.222.



This preview shows how white text looks on a background with the CIELCh color 65, 20.655, 295.222.

# 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

65, 20.655, 295.222

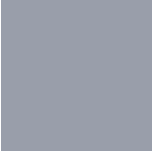
### Protanopia

65, 20.109, 285.422

### Deuteranopia

65, 20.636, 294.258





**Tritanopia**  
65, 6.884, 275.422

# Trichromacy



**Original Color**  
65, 20.655, 295.222

**Protanomaly**  
65, 20.599, 289.457

**Deuteranomaly**  
65, 20.636, 294.258

**Tritanomaly**  
65, 11.705, 286.120

# Monochromacy



**Original Color**  
65, 20.655, 295.222

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 7.801, 293.714

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 20.655, 295.222 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(157, 154, 191)` looks like.

```
.text, #text, p{  
    color:rgb(157, 154, 191)  
}
```

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(157, 154, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 154, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 20.655, 295.222 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(157, 154, 191) }
```

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

```
.border{ border-color:rgb(157, 154, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 154, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 154, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 154, 191);  
box-shadow:4px 4px 4px 4px rgb(157, 154,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 20.655, 295.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 154, 191) }
```

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

```
.background{ background-color: rgb(157,  
154, 191) }
```

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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