

Converting Colors

CIELCh(65, 45.124, 95.610)

Have a look what the booklet for
CIELCh(65, 45.124, 95.610) contains.

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Color

CIELCh(65, 45.124, 95.610)

Conversions

Conversions Part 1

Format	Color
Hex	AF9E4B
RGB	175, 158, 75
RGB Percent	69%, 62%, 29%
CMY	0.3140, 0.3806, 0.7061
CMYK	0.00, 0.10, 0.57, 0.31
HSL	50°, 40%, 49%
HSV	50°, 57%, 69%
XYZ	31.1497, 34.0472, 11.5763
YIQ	153.6210, 36.7750, -22.2090

Conversions

Conversions Part 2

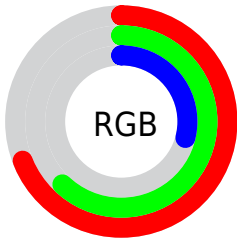
Format	Color
RYB	95, 175, 75
Decimal	11509323
CIELab	65.00, -4.41, 44.91
CIELCh	65, 45.124, 95.610
Yxy	34.0472, 0.4057, 0.4435
Android (android.graphics.Color)	4289699403 (0xFFAF9E4B)
YUV	153.6210, -38.7602, 18.7494
Hunter-Lab	58.3500, -6.8216, 29.0821

Details

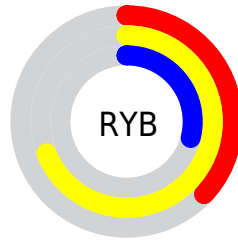
The CIELCh color **65, 45.124, 95.610** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **42, 50.071, 291.902**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 45.191, 95.158**, and **45, 45.173, 95.597** is the 20% darker color. If you saturate the color by 10%, you get **64, 52.062, 94.443**, and if you desaturate by 10%, it is **66, 37.597, 96.786**.

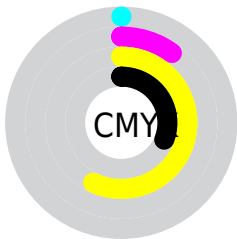
Distribution



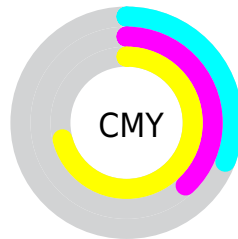
- Red (69%)
- Green (62%)
- Blue (29%)



- Red (37%)
- Yellow (69%)
- Blue (29%)



- Cyan (0%)
- Magenta (10%)
- Yellow (57%)
- Black (31%)



- Cyan (31%)
- Magenta (38%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 45.124, 95.610 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, 45.124, 95.610 by changing the saturation by 10% instead.

 65, 45.124, 95.610

 65, 45.124, 95.610

 100, 45.124,
95.610

 55, 45.124, 95.610

 85, 45.124, 95.610

 45, 45.124, 95.610

 95, 45.124, 95.610

 35, 45.124, 95.610

 25, 45.124, 95.610

 15, 45.124, 95.610

 5, 45.124, 95.610

 0, 45.124, 95.610

 65, 45.124, 95.610

 65, 45.124, 95.610

 64, 52.062, 94.443

 66, 37.597, 96.786

63, 57.992, 93.273

67, 29.756, 97.957

62, 62.369, 92.086

68, 21.768, 99.115

61, 64.806, 90.845

69, 13.734,
100.253

61, 65.380, 90.494

71, 5.710, 101.353

72, 2.271, 282.511

73, 10.191,
283.507

74, 18.041,
284.498

76, 25.818,
285.447

Harmonies

Complementary

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



65, 45.124, 95.610



42, 50.071, 291.902

Rectangle

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



65, 45.124, 95.610



65, 45.124, 145.610



65, 45.124, 275.610



65, 45.124, 325.610

Sweetspot

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



65, 45.125, 95.613



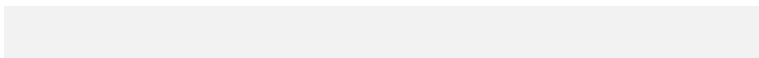
88, 16.815, 100.238



46, 43.658, 13.038



47, 11.343, 100.017



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 45.125, 95.613



81, 65.585, 94.088



67, 53.808, 119.427



36, 4.488, 101.123



53, 58.571, 90.663



6, 8.849, 98.235

Inverse Universe

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



42, 50.071, 291.902



46, 76.407, 295.355



40, 60.999, 306.656



34, 4.548, 283.237



20, 80.363, 302.970



1, 9.820, 283.856

Previews

White Background



This preview shows how the CIELCh color 65, 45.124, 95.610 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, 45.124, 95.610 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, 45.124, 95.610

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.124, 95.610.



This preview shows how white text looks on a background with the CIELCh color 65, 45.124, 95.610.

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, 45.124, 95.610

Protanopia

65, 45.124, 95.610

Deuteranopia

65, 44.946, 79.365



Tritanopia
65, 14.545, 356.169

Trichromacy



Original Color
65, 45.124, 95.610

Protanomaly
65, 45.124, 95.610

Deuteranomaly
65, 44.672, 85.424

Tritanomaly
65, 17.396, 66.702

Monochromacy



Original Color
65, 45.124, 95.610

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 16.863, 98.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.124, 95.610 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(175, 158, 75)` looks like.

```
.text, #text, p{  
    color:rgb(175, 158, 75)  
}
```

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(175, 158, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 158, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.124, 95.610 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(175, 158, 75) }
```

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

```
.border{ border-color:rgb(175, 158, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 158, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 158, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 158, 75);  
box-shadow:4px 4px 4px 4px rgb(175, 158,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.124, 95.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 158, 75) }
```

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

```
.background{ background-color: rgb(175,  
158, 75) }
```

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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