

Converting Colors

CIELCh(65, 65.103, 87.540)

Have a look what the booklet for
CIELCh(65, 65.103, 87.540) contains.

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Color

CIELCh(65, 65.091, 87.509)

Conversions

Conversions Part 1

Format	Color
Hex	BF9917
RGB	191, 153, 23
RGB Percent	75%, 60%, 9%
CMY	0.2498, 0.3989, 0.9082
CMYK	0.00, 0.20, 0.88, 0.25
HSL	46°, 78%, 42%
HSV	46°, 88%, 75%
XYZ	33.1539, 34.0472, 5.6563
YIQ	149.5420, 64.3780, -32.3740

Conversions

Conversions Part 2

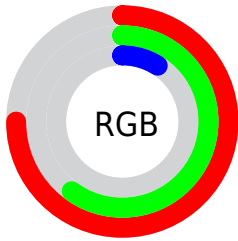
Format	Color
R_{YB}	72, 191, 23
Decimal	12556567
CIE Lab	65.00, 2.83, 65.03
CIE LCh	65, 65.091, 87.509
Yxy	34.0472, 0.4551, 0.4673
Android (android.graphics.Color)	4290746647 (0xFFBF9917)
YUV	149.5420, -62.3852, 36.3587
Hunter-Lab	58.3500, -0.6905, 35.0975

Details

The CIELCh color **65, 65.091, 87.509** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **33, 80.291, 298.112**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 65.190, 87.659**, and **45, 52.117, 85.505** is the 20% darker color. If you saturate the color by 10%, you get **64, 67.607, 85.860**, and if you desaturate by 10%, it is **66, 60.461, 88.988**.

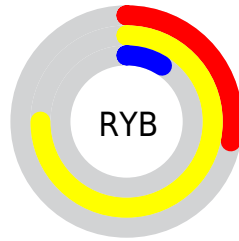
Distribution



Red (75%)

Green (60%)

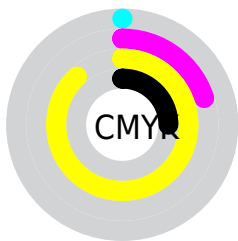
Blue (9%)



Red (28%)

Yellow (75%)

Blue (9%)

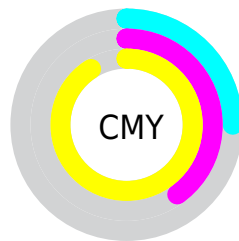


Cyan (0%)

Magenta (20%)

Yellow (88%)

Black (25%)



Cyan (25%)

Magenta (40%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 65.091, 87.509 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, 65.091, 87.509 by changing the saturation by 10% instead.

 65, 65.091, 87.509

 65, 65.091, 87.509

 100, 65.091,
87.509

 55, 65.091, 87.509

 85, 65.091, 87.509

 45, 65.091, 87.509

 95, 65.091, 87.509

 35, 65.091, 87.509

 25, 65.091, 87.509

 15, 65.091, 87.509

 5, 65.091, 87.509

 0, 65.091, 87.509

 65, 65.091, 87.509

 65, 65.091, 87.509

 64, 67.607, 85.860

 66, 60.461, 88.988

64, 68.074, 85.487

67, 54.178, 90.360

69, 46.874, 91.680

70, 39.012, 92.969

72, 30.885, 94.236

73, 22.663, 95.477

75, 14.442, 96.686

76, 6.275, 97.850

78, 1.811, 279.108

Harmonies

Complementary

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



65, 65.091, 87.509



33, 80.291, 298.112

Rectangle

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



65, 65.091, 87.509



65, 65.091, 137.509



65, 65.091, 267.509



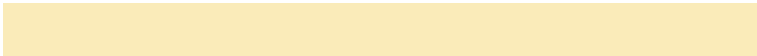
65, 65.091, 317.509

Sweetspot

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



65, 65.090, 87.512



93, 26.357, 95.641



41, 67.520, 20.606



49, 17.882, 95.212



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, 65.090, 87.512



81, 83.104, 85.156



72, 77.908, 117.306



40, 4.637, 97.667



54, 59.883, 85.747



9, 14.046, 90.501

Inverse Universe

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



33, 80.291, 298.112



37, 113.735, 302.035



28, 98.093, 307.797



38, 4.681, 279.919



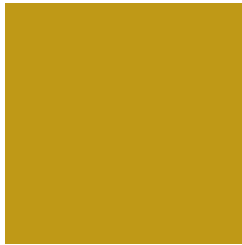
23, 79.601, 301.213



2, 16.422, 284.153

Previews

White Background



This preview shows how the CIELCh color 65, 65.091, 87.509 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, 65.091, 87.509 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, 65.091, 87.509

Background



This preview shows how black text looks on a background with the CIELCh color 65, 65.091, 87.509.



This preview shows how white text looks on a background with the CIELCh color 65, 65.091, 87.509.

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, 65.091, 87.509

Protanopia

65, 64.318, 95.036

Deuteranopia

65, 65.232, 82.873



Tritanopia
65, 22.970, 6.580

Trichromacy



Original Color
65, 65.091, 87.509

Protanomaly
65, 64.497, 92.093

Deuteranomaly
65, 65.081, 84.540

Tritanomaly
65, 31.349, 64.608

Monochromacy



Original Color
65, 65.091, 87.509

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 26.730, 94.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 65.091, 87.509 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(191, 153, 23)` looks like.

```
.text, #text, p{  
    color:rgb(191, 153, 23)  
}
```

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(191, 153, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 153, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 65.091, 87.509 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(191, 153, 23) }
```

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

```
.border{ border-color:rgb(191, 153, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 153, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 153, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 153, 23);  
box-shadow:4px 4px 4px 4px rgb(191, 153,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 65.091, 87.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 153, 23) }
```

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

```
.background{ background-color: rgb(191,  
153, 23) }
```

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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