

Converting Colors

CIELCh(49, 30.694, 165.258)

Have a look what the booklet for
CIELCh(49, 30.694, 165.258)
contains.

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Color

CIELCh(49, 30.704, 165.202)

Conversions

Conversions Part 1

Format	Color
Hex	388166
RGB	56, 129, 102
RGB Percent	22%, 51%, 40%
CMY	0.7792, 0.4929, 0.5989
CMYK	0.56, 0.00, 0.21, 0.49
HSL	158°, 39%, 36%
HSV	158°, 56%, 51%
XYZ	11.9504, 17.5941, 15.4102
YIQ	104.0950, -34.8410, -23.8730

Conversions

Conversions Part 2

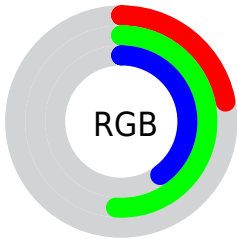
Format	Color
R_{YB}	56, 101, 129
Decimal	3703142
CIE _{Lab}	49.00, -29.69, 7.84
CIE _{LCh}	49, 30.704, 165.202
Yxy	17.5941, 0.2658, 0.3914
Android (android.graphics.Color)	4281893222 (0xFF388166)
YUV	104.0950, -1.0328, -42.1793
Hunter-Lab	41.9453, -22.5487, 7.5792

Details

The CIELCh color $49, 30.704, 165.202$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $34, 34.517, 358.474$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 30.531, 165.499$, and $29, 29.360, 163.686$ is the 20% darker color. If you saturate the color by 10%, you get $48, 35.058, 163.705$, and if you desaturate by 10%, it is $50, 25.891, 166.541$.

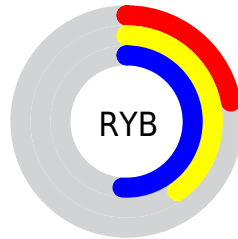
Distribution



Red (22%)

Green (51%)

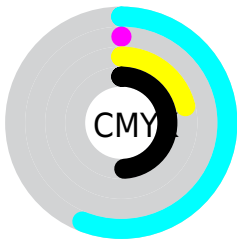
Blue (40%)



Red (22%)

Yellow (40%)

Blue (51%)

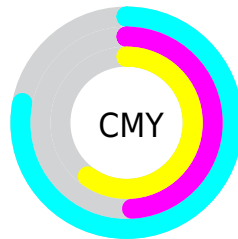


Cyan (56%)

Magenta (0%)

Yellow (21%)

Black (49%)



Cyan (78%)


Magenta (49%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.704, 165.202 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 49, 30.704, 165.202 by changing the saturation by 10% instead.


 49, 30.704,
165.202


 49, 30.704,
165.202


 100, 30.704,
165.202


 39, 30.704,
165.202

 69, 30.704,
165.202


 29, 30.704,
165.202

 79, 30.704,
165.202

 19, 30.704,
165.202

 89, 30.704,
165.202

 9, 30.704, 165.202

 99, 30.704,
165.202

 0, 30.704, 165.202

 49, 30.704,

 49, 30.704,

165.202

165.202

■ 48, 35.058,
163.705

■ 50, 25.891,
166.541

■ 48, 38.890,
162.030

■ 50, 20.701,
167.748

■ 48, 42.170,
160.164

■ 51, 15.224,
168.843

■ 48, 44.962,
158.144

■ 52, 9.549, 169.850

■ 47, 45.930,
157.460

■ 53, 3.758, 170.818

■ 55, 2.080, 351.421

■ 56, 7.909, 352.329

■ 57, 13.685,
353.092

■ 59, 19.374,
353.802

Harmonies

Complementary

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



49, 30.704, 165.202



34, 34.517, 358.474

Rectangle

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



49, 30.704, 165.202



49, 30.704, 215.202



49, 30.704, 345.202



49, 30.704, 35.202

Sweetspot

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



49, 30.705, 165.201



67, 12.236, 169.757



49, 45.081, 130.493



34, 8.137, 169.599



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 30.705, 165.201



62, 44.027, 163.200



47, 21.005, 211.371



26, 3.246, 170.558



47, 45.440, 157.495



0, 0.000, 0.000

Inverse Universe

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



34, 34.517, 358.474



41, 50.189, 1.514



35, 32.232, 33.629



25, 3.311, 352.030



26, 50.834, 12.686



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 49, 30.704, 165.202 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 30.704, 165.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

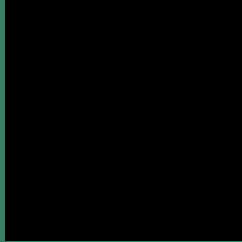
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 30.704, 165.202

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.704, 165.202.



This preview shows how white text looks on a background with the CIELCh color 49, 30.704, 165.202.

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
49, 30.704, 165.202

Protanopia
49, 12.534, 96.542

Deuteranopia
49, 8.827, 43.537



Tritanopia
49, 19.644, 215.147

Trichromacy



Original Color
49, 30.704, 165.202

Protanomaly
48, 16.537, 143.301

Deuteranomaly
48, 9.597, 145.750

Tritanomaly
49, 21.925, 190.928

Monochromacy



Original Color
49, 30.704, 165.202

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.027, 168.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.704, 165.202 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(56, 129, 102)` looks like.

```
.text, #text, p{  
    color:rgb(56, 129, 102)  
}
```

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(56, 129, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 129, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.704, 165.202 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(56, 129, 102) }
```

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

```
.border{ border-color:rgb(56, 129, 102) }
```

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

Here you see how a box with a 4 pixel rgb(56, 129, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 129, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 129, 102);  
box-shadow:4px 4px 4px 4px rgb(56, 129,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.704, 165.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 129, 102) }
```

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

```
.background{ background-color: rgb(56, 129,  
102) }
```

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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