

Converting Colors

CIELCh(49, 24.443, 146.967)

Have a look what the booklet for
CIELCh(49, 24.443, 146.967)
contains.

CIELCh(49, 24.332, 146.952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 24.332, 146.952)

Conversions

Conversions Part 1

Format	Color
Hex	577D5D
RGB	87, 125, 93
RGB Percent	34%, 49%, 36%
CMY	0.6575, 0.5084, 0.6340
CMYK	0.30, 0.00, 0.26, 0.51
HSL	129°, 18%, 42%
HSV	129°, 30%, 49%
XYZ	13.3300, 17.5941, 13.1261
YIQ	109.9900, -12.3760, -18.0080

Conversions

Conversions Part 2

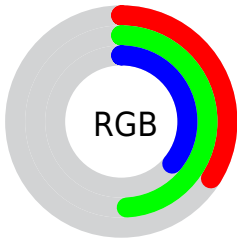
Format	Color
R_{YB}	87, 120, 125
Decimal	5733725
CIE _{Lab}	49.00, -20.40, 13.27
CIE _{LCh}	49, 24.332, 146.952
Yxy	17.5941, 0.3026, 0.3994
Android (android.graphics.Color)	4283923805 (0xFF577D5D)
YUV	109.9900, -8.3761, -20.1622
Hunter-Lab	41.9453, -16.6778, 10.8078

Details

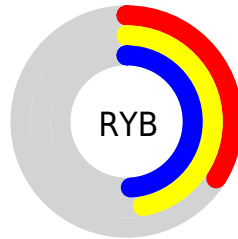
The CIELCh color $49, 24.332, 146.952$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $42, 24.398, 330.877$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 24.595, 146.527$, and $29, 24.279, 146.749$ is the 20% darker color. If you saturate the color by 10%, you get $48, 32.202, 146.006$, and if you desaturate by 10%, it is $50, 16.309, 147.774$.

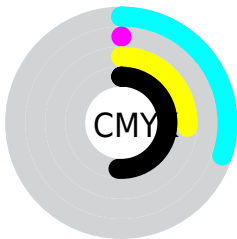
Distribution



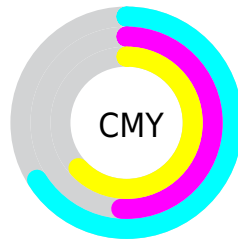
- Red (34%)
- Green (49%)
- Blue (36%)



- Red (34%)
- Yellow (47%)
- Blue (49%)



- Cyan (30%)
- Magenta (0%)
- Yellow (26%)
- Black (51%)





- Cyan (66%)
- Magenta (51%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 24.332, 146.952 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, 24.332, 146.952 by changing the saturation by 10% instead.


 49, 24.332,
146.952


 49, 24.332,
146.952


 100, 24.332,
146.952


 39, 24.332,
146.952

 69, 24.332,
146.952


 29, 24.332,
146.952

 79, 24.332,
146.952

 19, 24.332,
146.952

 89, 24.332,
146.952

 9, 24.332, 146.952

 99, 24.332,
146.952

 0, 24.332, 146.952

 49, 24.332,

 49, 24.332,

146.952

146.952

■ 48, 32.202,
146.006

■ 50, 16.309,
147.774

■ 47, 39.770,
144.923

■ 51, 8.252, 148.492

■ 47, 46.871,
143.700

■ 53, 0.254, 149.907

■ 54, 7.614, 329.577

■ 46, 53.322,
142.348

■ 55, 15.304,
330.050

■ 46, 58.941,
140.905

■ 57, 22.784,
330.456

■ 46, 63.550,
139.443

■ 59, 30.036,
330.810

■ 45, 67.056,
138.256

■ 60, 37.052,
331.123

■ 62, 43.833,

Harmonies

Complementary

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



49, 24.332, 146.952



42, 24.398, 330.877

Rectangle

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



49, 24.332, 146.952



49, 24.332, 196.952



49, 24.332, 326.952



49, 24.332, 16.952

Sweetspot

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



49, 24.333, 146.952



66, 8.917, 148.567



51, 21.934, 113.885



34, 6.170, 148.484



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 24.333, 146.952



62, 35.752, 146.349



49, 16.691, 169.734



26, 4.563, 148.574



46, 67.927, 138.229



0, 0.000, 0.000

Inverse Universe

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



42, 24.398, 330.877



52, 35.816, 331.279



42, 17.915, 355.692



25, 4.575, 329.590



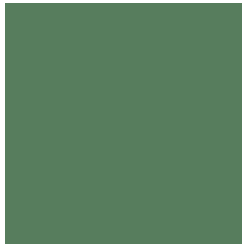
28, 61.345, 335.421



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 24.332, 146.952 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, 24.332, 146.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

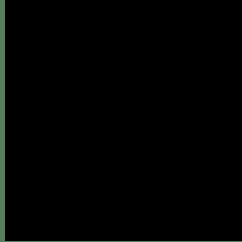
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 24.332, 146.952

Background



This preview shows how black text looks on a background with the CIELCh color 49, 24.332, 146.952.



This preview shows how white text looks on a background with the CIELCh color 49, 24.332, 146.952.

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, 24.332, 146.952

Protanopia

49, 16.135, 95.407

Deuteranopia

49, 13.544, 63.479



Tritanopia
49, 11.035, 227.287

Trichromacy



Original Color
49, 24.332, 146.952

Protanomaly
49, 16.652, 119.937

Deuteranomaly
49, 12.831, 108.449

Tritanomaly
49, 12.440, 181.566

Monochromacy



Original Color
49, 24.332, 146.952

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 9.155, 147.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 24.332, 146.952 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(87, 125, 93)` looks like.

```
.text, #text, p{  
    color:rgb(87, 125, 93)  
}
```

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(87, 125, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 125, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 24.332, 146.952 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(87, 125, 93) }
```

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

```
.border{ border-color:rgb(87, 125, 93) }
```

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

Here you see how a box with a 4 pixel rgb(87, 125, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 125, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 125, 93);  
box-shadow:4px 4px 4px 4px rgb(87, 125,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 24.332, 146.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 125, 93) }
```

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

```
.background{ background-color: rgb(87, 125,  
93) }
```

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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