

Converting Colors

CIELCh(49, 14.740, 204.823)

Have a look what the booklet for
CIELCh(49, 14.740, 204.823)
contains.

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Color

CIELCh(49, 14.746, 204.821)

Conversions

Conversions Part 1

Format	Color
Hex	527B7E
RGB	82, 123, 126
RGB Percent	32%, 48%, 49%
CMY	0.6769, 0.5161, 0.5043
CMYK	0.35, 0.02, 0.00, 0.50
HSL	184°, 21%, 41%
HSV	184°, 35%, 50%
XYZ	14.4388, 17.5941, 22.5099
YIQ	111.0830, -25.3990, -7.7590

Conversions

Conversions Part 2

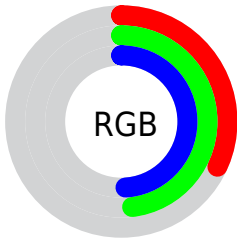
Format	Color
R_{YB}	82, 103, 126
Decimal	5405566
CIE _{Lab}	49.00, -13.38, -6.19
CIE _{LCh}	49, 14.746, 204.821
Yxy	17.5941, 0.2647, 0.3226
Android (android.graphics.Color)	4283595646 (0xFF527B7E)
YUV	111.0830, 7.3541, -25.5058
Hunter-Lab	41.9453, -11.9594, -2.4563

Details

The CIELCh color **49, 14.746, 204.821** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 18.735, 27.477**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 14.968, 204.592**, and **29, 14.687, 204.930** is the 20% darker color. If you saturate the color by 10%, you get **48, 18.157, 204.818**, and if you desaturate by 10%, it is **50, 10.909, 204.927**.

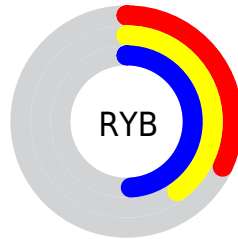
Distribution



Red (32%)

Green (48%)

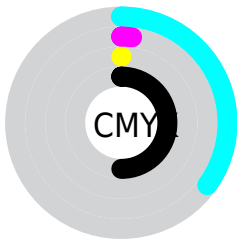
Blue (49%)



Red (32%)

Yellow (40%)

Blue (49%)

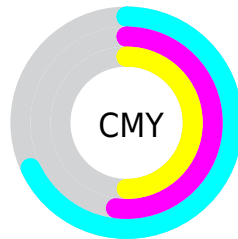


Cyan (35%)

Magenta (2%)

Yellow (0%)

Black (50%)



Cyan (68%)


Magenta (52%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.746, 204.821 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, 14.746, 204.821 by changing the saturation by 10% instead.


 49, 14.746,
204.821


 49, 14.746,
204.821


 100, 14.746,
204.821


 39, 14.746,
204.821

 69, 14.746,
204.821


 29, 14.746,
204.821

 79, 14.746,
204.821

 19, 14.746,
204.821

 89, 14.746,
204.821

 9, 14.746, 204.821

 99, 14.746,
204.821

 0, 14.746, 204.821

 49, 14.746,

 49, 14.746,

204.821

■ 48, 18.157,
204.818

■ 47, 21.075,
204.947

■ 47, 23.447,
205.225

■ 46, 25.236,
205.672

■ 45, 26.436,
206.311

■ 45, 27.099,
207.147

■ 45, 27.376,
207.600

204.821

■ 50, 10.909,
204.927

■ 51, 6.717, 205.138

■ 52, 2.239, 205.516

■ 54, 2.461, 25.493

■ 55, 7.327, 25.959

■ 56, 12.311, 26.373

■ 58, 17.372, 26.798

■ 60, 22.480, 27.234

■ 61, 27.607, 27.676

Harmonies

Complementary

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



49, 14.746, 204.821



41, 18.735, 27.477

Rectangle

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



49, 14.746, 204.821



49, 14.746, 254.821



49, 14.746, 24.821



49, 14.746, 74.821

Sweetspot

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



49, 14.746, 204.817



66, 5.656, 205.275



49, 29.952, 143.831



34, 3.828, 205.237



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, 14.746, 204.817



61, 21.156, 204.809



42, 16.234, 267.769



26, 2.613, 205.314



45, 27.545, 207.611



0, 0.000, 0.000

Inverse Universe

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



41, 29.917, 328.219



50, 44.125, 328.653



47, 17.160, 77.908



25, 4.870, 326.796



29, 65.640, 331.048



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 14.746, 204.821 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 CIELCh color 49, 14.746, 204.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

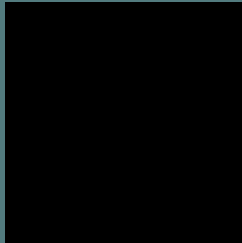
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 14.746, 204.821

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.746, 204.821.

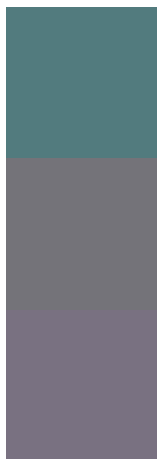


This preview shows how white text looks on a background with the CIELCh color 49, 14.746, 204.821.

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, 14.746, 204.821

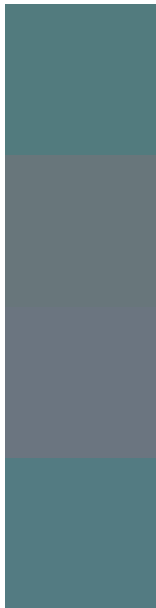
Protanopia
49, 3.561, 297.052

Deuteranopia
49, 9.964, 309.599



Tritanopia
49, 14.403, 222.410

Trichromacy



Original Color
49, 14.746, 204.821

Protanomaly
49, 6.068, 228.015

Deuteranomaly
49, 7.414, 260.182

Tritanomaly
49, 14.596, 214.502

Monochromacy



Original Color
49, 14.746, 204.821

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.870, 204.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.746, 204.821 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(82, 123, 126)` looks like.

```
.text, #text, p{  
    color:rgb(82, 123, 126)  
}
```

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(82, 123, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 123, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.746, 204.821 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(82, 123, 126) }
```

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

```
.border{ border-color:rgb(82, 123, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 123, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 123, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 123, 126);  
box-shadow:4px 4px 4px 4px rgb(82, 123,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.746, 204.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 123, 126) }
```

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

```
.background{ background-color: rgb(82, 123,  
126) }
```

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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