

Converting Colors

CIELCh(65, 49.830, 153.161)

Have a look what the booklet for
CIELCh(65, 49.830, 153.161)
contains.

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Color

CIELCh(65, 49.721, 153.217)

Conversions

Conversions Part 1

Format	Color
Hex	48B174
RGB	72, 177, 116
RGB Percent	28%, 69%, 45%
CMY	0.7180, 0.3062, 0.5454
CMYK	0.59, 0.00, 0.34, 0.31
HSL	145°, 42%, 49%
HSV	145°, 59%, 69%
XYZ	21.5211, 34.0472, 21.9387
YIQ	138.6510, -42.9990, -41.2310

Conversions

Conversions Part 2

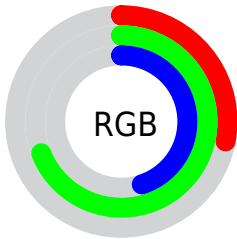
Format	Color
RYB	72, 146, 177
Decimal	4764020
CIELab	65.00, -44.39, 22.40
CIElCh	65, 49.721, 153.217
Yxy	34.0472, 0.2777, 0.4393
Android (android.graphics.Color)	4282954100 (0xFF48B174)
YUV	138.6510, -11.1669, -58.4529
Hunter-Lab	58.3500, -36.2767, 18.5528

Details

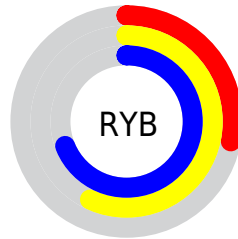
The CIELCh color **65, 49.721, 153.217** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **47, 51.045, 345.449**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 49.713, 153.218**, and **45, 48.654, 152.387** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.652, 151.593**, and if you desaturate by 10%, it is **66, 42.141, 154.647**.

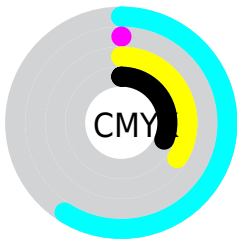
Distribution



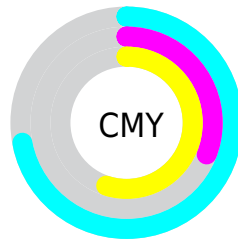
- Red (28%)
- Green (69%)
- Blue (45%)



- Red (28%)
- Yellow (57%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (34%)
- Black (31%)





- Cyan (72%)
- Magenta (31%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 49.721, 153.217 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, 49.721, 153.217 by changing the saturation by 10% instead.


 65, 49.721,
153.217


 65, 49.721,
153.217


 100, 49.721,
153.217


 55, 49.721,
153.217


 85, 49.721,
153.217

 45, 49.721,
153.217

 95, 49.721,
153.217

 35, 49.721,
153.217

 25, 49.721,
153.217

 15, 49.721,
153.217

 5, 49.721, 153.217

 0, 49.721, 153.217

■ 65, 49.721,
153.217

■ 65, 49.721,
153.217

■ 64, 56.652,
151.593

■ 66, 42.141,
154.647

■ 64, 62.823,
149.767

■ 67, 34.049,
155.901

■ 64, 68.179,
147.749

■ 68, 25.597,
157.004

■ 63, 72.809,
145.639

■ 69, 16.928,
157.980

■ 63, 73.098,
145.511

■ 71, 8.170, 158.860

■ 72, 0.571, 338.981

■ 74, 9.213, 340.237

■ 76, 17.695,
340.879

■ 78, 25.976,
341.456

Harmonies

Complementary

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



65, 49.721, 153.217



47, 51.045, 345.449

Rectangle

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



65, 49.721, 153.217



65, 49.721, 203.217



65, 49.721, 333.217



65, 49.721, 23.217

Sweetspot

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



65, 49.722, 153.217



88, 19.456, 158.076



67, 57.465, 123.388



46, 13.502, 157.812



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, 49.722, 153.217



81, 71.064, 151.091



66, 32.464, 188.102



37, 4.983, 158.862



55, 65.279, 145.788



7, 12.924, 155.277

Inverse Universe

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



47, 51.045, 345.449



55, 71.590, 347.537



45, 46.696, 21.198



35, 5.027, 340.206



33, 59.352, 354.034



2, 11.154, 345.339

Previews

White Background



This preview shows how the CIELCh color 65, 49.721, 153.217 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 CIELCh color 65, 49.721, 153.217 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, 49.721, 153.217

Background



This preview shows how black text looks on a background with the CIELCh color 65, 49.721, 153.217.



This preview shows how white text looks on a background with the CIELCh color 65, 49.721, 153.217.

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, 49.721, 153.217

Protanopia
65, 27.950, 96.564

Deuteranopia
64, 21.088, 66.998



Tritanopia
65, 24.612, 214.809

Trichromacy



Original Color
65, 49.721, 153.217



Protanomaly
64, 32.040, 129.503



Deuteranomaly
64, 23.141, 125.207



Tritanomaly
65, 29.718, 181.629

Monochromacy



Original Color
65, 49.721, 153.217



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 19.249, 157.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 49.721, 153.217 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(72, 177, 116)` looks like.

```
.text, #text, p{  
    color:rgb(72, 177, 116)  
}
```

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(72, 177, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 177, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 49.721, 153.217 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(72, 177, 116) }
```

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

```
.border{ border-color:rgb(72, 177, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 177, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 177, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 177, 116);  
box-shadow:4px 4px 4px 4px rgb(72, 177,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 49.721, 153.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 177, 116) }
```

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

```
.background{ background-color: rgb(72, 177,  
116) }
```

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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