

Converting Colors

CIELCh(45, 24.671, 214.974)

Have a look what the booklet for
CIELCh(45, 24.671, 214.974)
contains.

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Color

CIELCh(45, 24.673, 214.074)

Conversions

Conversions Part 1

Format	Color
Hex	1F7581
RGB	31, 117, 129
RGB Percent	12%, 46%, 51%
CMY	0.8796, 0.5420, 0.4949
CMYK	0.76, 0.09, 0.00, 0.49
HSL	187°, 62%, 31%
HSV	187°, 76%, 51%
XYZ	10.8426, 14.5417, 22.9332
YIQ	92.6540, -55.1080, -14.5000

Conversions

Conversions Part 2

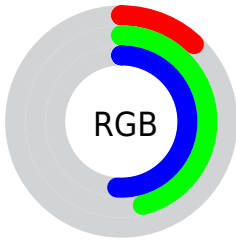
Format	Color
R_{YB}	31, 77, 129
Decimal	2061697
CIE _{Lab}	45.00, -20.44, -13.82
CIE _{LCh}	45, 24.673, 214.074
Yxy	14.5417, 0.2244, 0.3010
Android (android.graphics.Color)	4280251777 (0xFF1F7581)
YUV	92.6540, 17.9186, -54.0706
Hunter-Lab	38.1336, -15.9808, -8.9630

Details

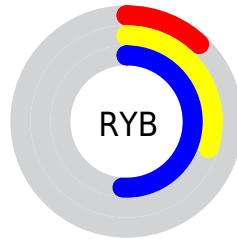
The CIELCh color **45, 24.673, 214.074** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **31, 45.663, 37.125**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 24.612, 214.809**, and **26, 18.858, 221.938** is the 20% darker color. If you saturate the color by 10%, you get **44, 25.763, 215.524**, and if you desaturate by 10%, it is **46, 23.012, 212.956**.

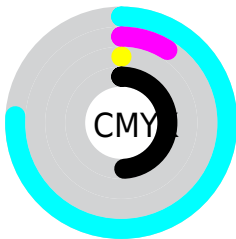
Distribution



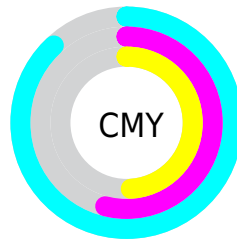
- Red (12%)
- Green (46%)
- Blue (51%)



- Red (12%)
- Yellow (30%)
- Blue (51%)



- Cyan (76%)
- Magenta (9%)
- Yellow (0%)
- Black (49%)





- Cyan (88%)
- Magenta (54%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.673, 214.074 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 45, 24.673, 214.074 by changing the saturation by 10% instead.


 45, 24.673,
214.074


 45, 24.673,
214.074


 100, 24.673,
214.074

 35, 24.673,
214.074

 65, 24.673,
214.074


 25, 24.673,
214.074

 75, 24.673,
214.074

 15, 24.673,
214.074

 85, 24.673,
214.074

 5, 24.673, 214.074

 95, 24.673,
214.074

 0, 24.673, 214.074

 45, 24.673,

 45, 24.673,

214.074

■ 44, 25.763,
215.524

■ 44, 26.363,
217.311

■ 43, 26.567,
218.009

214.074

■ 46, 23.012,
212.956

■ 47, 20.783,
212.127

■ 48, 18.018,
211.542

■ 49, 14.767,
211.160

■ 50, 11.098,
210.946

■ 52, 7.076, 210.877

■ 53, 2.770, 210.982

■ 54, 1.760, 30.709

■ 56, 6.460, 31.040

Harmonies

Complementary

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



45, 24.673, 214.074



31, 45.663, 37.125

Rectangle

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



45, 24.673, 214.074



45, 24.673, 264.074



45, 24.673, 34.074



45, 24.673, 84.074

Sweetspot

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



45, 24.672, 214.073



65, 12.248, 210.914



47, 59.476, 140.390



33, 8.350, 210.952



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 24.672, 214.073



57, 31.859, 216.756



30, 39.146, 283.693



26, 2.494, 210.921



43, 26.375, 217.985



0, 0.000, 0.000

Inverse Universe

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



32, 57.168, 332.292



39, 75.652, 333.224



42, 40.353, 76.596



25, 4.690, 328.442



29, 62.996, 333.593



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 45, 24.673, 214.074 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 45, 24.673, 214.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

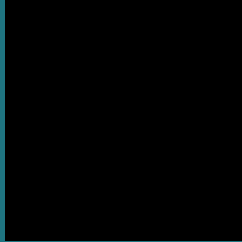
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 24.673, 214.074

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.673, 214.074.

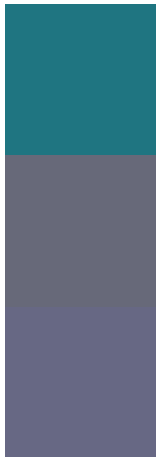


This preview shows how white text looks on a background with the CIELCh color 45, 24.673, 214.074.

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

45, 24.673, 214.074

Protanopia

45, 9.580, 286.916

Deuteranopia

45, 16.736, 291.240



Tritanopia
45, 24.906, 210.951

Trichromacy



Original Color
45, 24.673, 214.074

Protanomaly
44, 14.127, 238.183

Deuteranomaly
44, 16.720, 250.971

Tritanomaly
45, 24.782, 212.505

Monochromacy



Original Color
45, 24.673, 214.074

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 11.747, 210.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.673, 214.074 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(31, 117, 129)` looks like.

```
.text, #text, p{  
    color:rgb(31, 117, 129)  
}
```

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(31, 117, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 117, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.673, 214.074 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(31, 117, 129) }
```

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

```
.border{ border-color:rgb(31, 117, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 117, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(31, 117, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(31, 117, 129); box-shadow:4px 4px 4px 4px rgb(31, 117, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.673, 214.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 117, 129) }
```

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

```
.background{ background-color: rgb(31, 117,  
129) }
```

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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