

Converting Colors

CIELCh(45, 21.592, 197.618)

Have a look what the booklet for
CIELCh(45, 21.592, 197.618)
contains.

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Color

CIELCh(45, 21.343, 198.712)

Conversions

Conversions Part 1

Format	Color
Hex	337475
RGB	51, 116, 117
RGB Percent	20%, 45%, 46%
CMY	0.7990, 0.5442, 0.5403
CMYK	0.56, 0.01, 0.00, 0.54
HSL	181°, 39%, 33%
HSV	181°, 56%, 46%
XYZ	10.8724, 14.5417, 19.1316
YIQ	96.6790, -39.0610, -13.4690

Conversions

Conversions Part 2

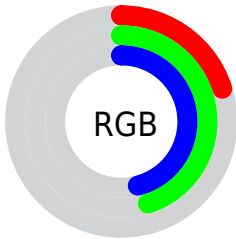
Format	Color
RYB	51, 84, 117
Decimal	3372149
CIELab	45.00, -20.21, -6.85
CIElCh	45, 21.343, 198.712
Yxy	14.5417, 0.2441, 0.3264
Android (android.graphics.Color)	4281562229 (0xFF337475)
YUV	96.6790, 10.0183, -40.0605
Hunter-Lab	38.1336, -15.8412, -3.0522

Details

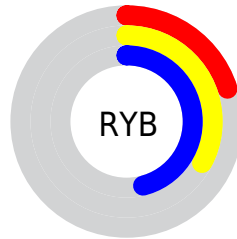
The CIELCh color **45, 21.343, 198.712** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 31.859, 26.810**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 21.347, 199.134**, and **25, 18.872, 200.530** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.666, 198.570**, and if you desaturate by 10%, it is **46, 18.489, 198.927**.

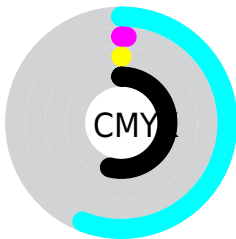
Distribution



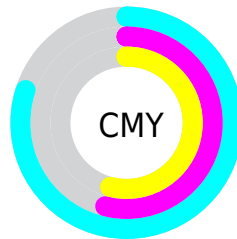
- Red (20%)
- Green (45%)
- Blue (46%)



- Red (20%)
- Yellow (33%)
- Blue (46%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (54%)





- Cyan (80%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.343, 198.712 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, 21.343, 198.712 by changing the saturation by 10% instead.


 45, 21.343,
198.712


 45, 21.343,
198.712


 100, 21.343,
198.712


 35, 21.343,
198.712

 65, 21.343,
198.712


 25, 21.343,
198.712

 75, 21.343,
198.712

 15, 21.343,
198.712

 85, 21.343,
198.712

 5, 21.343, 198.712

 95, 21.343,
198.712

 0, 21.343, 198.712

 45, 21.343,

 45, 21.343,

198.712

■ 45, 23.666,
198.570

■ 44, 25.433,
198.512

■ 44, 26.644,
198.536

■ 44, 27.392,
198.631

■ 44, 27.647,
198.668

198.712

■ 46, 18.489,
198.927

■ 46, 15.153,
199.216

■ 47, 11.394,
199.570

■ 48, 7.281, 199.990

■ 49, 2.881, 200.515

■ 50, 1.741, 20.654

■ 51, 6.527, 21.325

■ 52, 11.427, 21.884

■ 53, 16.401, 22.445

Harmonies

Complementary

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



45, 21.343, 198.712



31, 31.859, 26.810

Rectangle

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



45, 21.343, 198.712



45, 21.343, 248.712



45, 21.343, 18.712



45, 21.343, 68.712

Sweetspot

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



45, 21.343, 198.710



61, 9.424, 199.938



44, 46.359, 139.952



31, 6.239, 199.872



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 21.343, 198.710



57, 29.518, 198.541



35, 22.524, 265.965



24, 2.566, 200.349



46, 28.514, 198.678



88, 48.288, 198.808

Inverse Universe

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



33, 45.573, 327.640



40, 65.412, 328.140



39, 26.331, 68.690



23, 4.709, 325.295



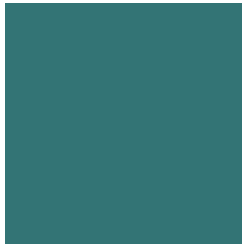
28, 66.368, 328.820



59, 112.448, 328.853

Previews

White Background



This preview shows how the CIELCh color 45, 21.343, 198.712 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, 21.343, 198.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

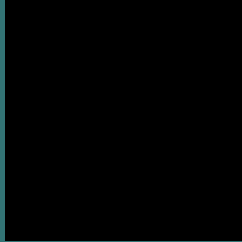
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.343, 198.712

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.343, 198.712.



This preview shows how white text looks on a background with the CIELCh color 45, 21.343, 198.712.

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, 21.343, 198.712

Protanopia

45, 3.618, 297.081

Deuteranopia

45, 10.578, 306.611



Tritanopia
45, 20.152, 213.007

Trichromacy



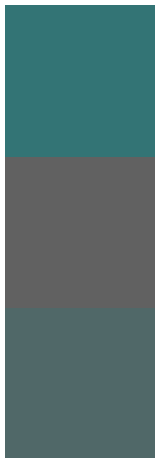
Original Color
45, 21.343, 198.712

Protanomaly
44, 9.010, 213.958

Deuteranomaly
44, 9.528, 242.703

Tritanomaly
45, 20.332, 209.294

Monochromacy



Original Color
45, 21.343, 198.712

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 9.317, 198.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.343, 198.712 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(51, 116, 117)` looks like.

```
.text, #text, p{  
    color:rgb(51, 116, 117)  
}
```

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(51, 116, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 116, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.343, 198.712 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(51, 116, 117) }
```

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

```
.border{ border-color:rgb(51, 116, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 116, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 116, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 116, 117);  
box-shadow:4px 4px 4px 4px rgb(51, 116,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.343, 198.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 116, 117) }
```

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

```
.background{ background-color: rgb(51, 116,  
117) }
```

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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