

Converting Colors

CIELCh(45, 20.066, 202.693)

Have a look what the booklet for
CIELCh(45, 20.066, 202.693)
contains.

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Color

CIELCh(45, 20.244, 202.362)

Conversions

Conversions Part 1

Format	Color
Hex	377477
RGB	55, 116, 119
RGB Percent	22%, 45%, 47%
CMY	0.7857, 0.5464, 0.5346
CMYK	0.54, 0.03, 0.00, 0.53
HSL	183°, 37%, 34%
HSV	183°, 54%, 47%
XYZ	11.0743, 14.5417, 19.5730
YIQ	98.1030, -37.3190, -11.9990

Conversions

Conversions Part 2

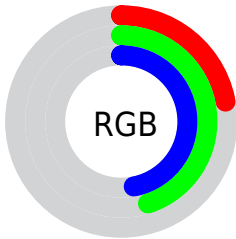
Format	Color
RYB	55, 86, 119
Decimal	3634295
CIELab	45.00, -18.72, -7.70
CIElCh	45, 20.244, 202.362
Yxy	14.5417, 0.2451, 0.3218
Android (android.graphics.Color)	4281824375 (0xFF377477)
YUV	98.1030, 10.3022, -37.8013
Hunter-Lab	38.1336, -14.8961, -3.7384

Details

The CIELCh color **45, 20.244, 202.362** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 29.924, 28.369**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 20.120, 202.545**, and **26, 18.936, 202.571** is the 20% darker color. If you saturate the color by 10%, you get **44, 22.618, 202.441**, and if you desaturate by 10%, it is **46, 17.352, 202.394**.

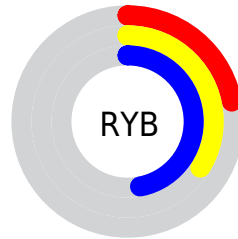
Distribution



Red (22%)

Green (45%)

Blue (47%)



Red (22%)

Yellow (34%)

Blue (47%)

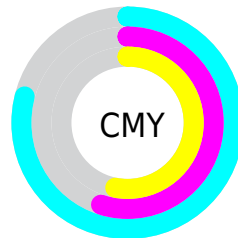


Cyan (54%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (79%)


Magenta (55%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 20.244, 202.362 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, 20.244, 202.362 by changing the saturation by 10% instead.


 45, 20.244,
202.362


 45, 20.244,
202.362


 100, 20.244,
202.362


 35, 20.244,
202.362

 65, 20.244,
202.362


 25, 20.244,
202.362

 75, 20.244,
202.362

 15, 20.244,
202.362

 85, 20.244,
202.362

 5, 20.244, 202.362

 95, 20.244,
202.362

 0, 20.244, 202.362

 45, 20.244,

 45, 20.244,

202.362

■ 44, 22.618,
202.441

■ 44, 24.439,
202.650

■ 44, 25.699,
203.000

■ 43, 26.436,
203.495

■ 43, 26.799,
203.812

202.362

■ 46, 17.352,
202.394

■ 46, 13.995,
202.530

■ 47, 10.236,
202.755

■ 48, 6.142, 203.066

■ 49, 1.781, 203.562

■ 51, 2.788, 23.604

■ 52, 7.510, 24.116

■ 53, 12.339, 24.589

■ 55, 17.237, 25.070

Harmonies

Complementary

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



45, 20.244, 202.362



32, 29.924, 28.369

Rectangle

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



45, 20.244, 202.362



45, 20.244, 252.362



45, 20.244, 22.362



45, 20.244, 72.362

Sweetspot

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



45, 20.244, 202.360



62, 8.735, 202.981



45, 44.142, 141.034



32, 5.915, 202.928



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 20.244, 202.360



57, 28.191, 202.484



35, 22.818, 268.912



24, 2.487, 203.262



44, 27.394, 203.837



86, 46.303, 204.280

Inverse Universe

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



34, 43.445, 328.514



41, 62.804, 329.065



40, 25.644, 72.232



23, 4.608, 326.176



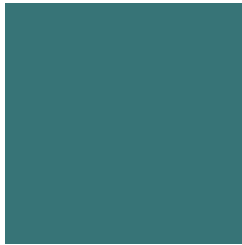
28, 64.792, 330.116



58, 109.631, 330.225

Previews

White Background



This preview shows how the CIELCh color 45, 20.244, 202.362 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, 20.244, 202.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

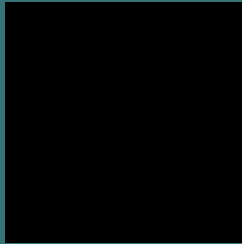
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 20.244, 202.362

Background



This preview shows how black text looks on a background with the CIELCh color 45, 20.244, 202.362.



This preview shows how white text looks on a background with the CIELCh color 45, 20.244, 202.362.

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, 20.244, 202.362

Protanopia

45, 4.212, 296.239

Deuteranopia

45, 11.064, 303.867



Tritanopia
45, 19.475, 213.627

Trichromacy



Original Color
45, 20.244, 202.362

Protanomaly
44, 8.799, 218.506

Deuteranomaly
45, 9.912, 245.468

Tritanomaly
45, 19.647, 209.785

Monochromacy



Original Color
45, 20.244, 202.362

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 8.568, 206.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 20.244, 202.362 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(55, 116, 119)` looks like.

```
.text, #text, p{  
    color:rgb(55, 116, 119)  
}
```

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(55, 116, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 116, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 20.244, 202.362 is called "border". The border property can be set on classes, ids or directly on the HTML element.

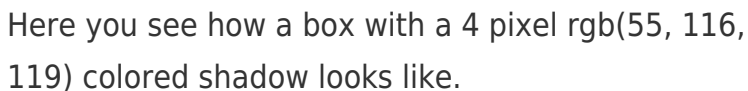
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(55, 116, 119) }
```

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

```
.border{ border-color:rgb(55, 116, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(55, 116, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 116, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 116, 119); box-shadow:4px 4px 4px 4px rgb(55, 116, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 20.244, 202.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 116, 119) }
```

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

```
.background{ background-color: rgb(55, 116,  
119) }
```

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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