

Converting Colors

CIELCh(44, 20.663, 211.543)

Have a look what the booklet for
CIELCh(44, 20.663, 211.543)
contains.

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Color

CIELCh(44, 20.729, 210.779)

Conversions

Conversions Part 1

Format	Color
Hex	317179
RGB	49, 113, 121
RGB Percent	19%, 44%, 47%
CMY	0.8079, 0.5569, 0.5256
CMYK	0.60, 0.07, 0.00, 0.53
HSL	187°, 42%, 33%
HSV	187°, 60%, 47%
XYZ	10.6184, 13.8382, 20.1940
YIQ	94.7760, -40.7120, -11.0800

Conversions

Conversions Part 2

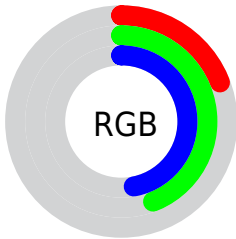
Format	Color
RYB	49, 83, 121
Decimal	3240313
CIELab	44.00, -17.81, -10.61
CIElCh	44, 20.729, 210.779
Yxy	13.8382, 0.2378, 0.3099
Android (android.graphics.Color)	4281430393 (0xFF317179)
YUV	94.7760, 12.9284, -40.1456
Hunter-Lab	37.1997, -14.1479, -6.1460

Details

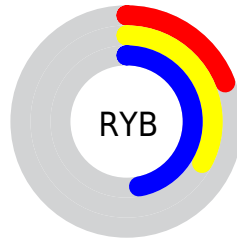
The CIELCh color **44, 20.729, 210.779** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 32.587, 33.599**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 20.673, 210.334**, and **25, 18.109, 213.973** is the 20% darker color. If you saturate the color by 10%, you get **43, 22.700, 211.560**, and if you desaturate by 10%, it is **45, 18.233, 210.227**.

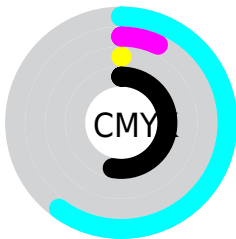
Distribution



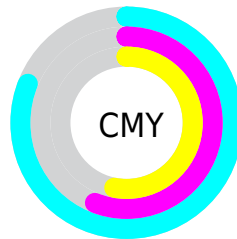
- Red (19%)
- Green (44%)
- Blue (47%)



- Red (19%)
- Yellow (33%)
- Blue (47%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (53%)





- Cyan (81%)
- Magenta (56%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 20.729, 210.779 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 44, 20.729, 210.779 by changing the saturation by 10% instead.


 44, 20.729,
210.779


 44, 20.729,
210.779


 100, 20.729,
210.779


 34, 20.729,
210.779

 64, 20.729,
210.779


 24, 20.729,
210.779

 74, 20.729,
210.779

 14, 20.729,
210.779

 84, 20.729,
210.779

 4, 20.729, 210.779

 94, 20.729,
210.779

 0, 20.729, 210.779

 44, 20.729,

 44, 20.729,

210.779

■ 43, 22.700,
211.560

■ 42, 24.123,
212.614

■ 42, 25.008,
213.979

■ 41, 25.552,
215.557

■ 41, 25.579,
215.632

210.779

■ 45, 18.233,
210.227

■ 46, 15.258,
209.872

■ 47, 11.862,
209.680

■ 48, 8.110, 209.627

■ 50, 4.065, 209.712

■ 51, 0.213, 27.931

■ 52, 4.668, 29.842

■ 54, 9.256, 30.119

■ 55, 13.938, 30.407

Harmonies

Complementary

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



44, 20.729, 210.779



32, 32.587, 33.599

Rectangle

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



44, 20.729, 210.779



44, 20.729, 260.779



44, 20.729, 30.779



44, 20.729, 80.779

Sweetspot

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



44, 20.729, 210.777



62, 9.343, 209.629



45, 46.828, 142.162



32, 6.409, 209.627



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 20.729, 210.777



56, 28.206, 211.872



33, 28.060, 276.851



25, 2.432, 209.720



43, 26.173, 215.704



82, 43.894, 216.887

Inverse Universe

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



33, 45.939, 330.946



40, 64.781, 331.645



41, 29.762, 77.695



24, 4.568, 328.087



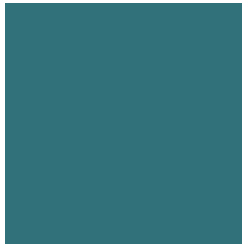
28, 62.625, 333.032



58, 104.947, 333.323

Previews

White Background



This preview shows how the CIELCh color 44, 20.729, 210.779 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 44, 20.729, 210.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

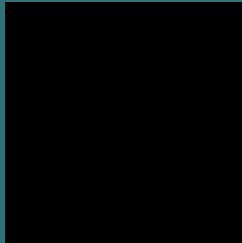
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 20.729, 210.779

Background



This preview shows how black text looks on a background with the CIELCh color 44, 20.729, 210.779.



This preview shows how white text looks on a background with the CIELCh color 44, 20.729, 210.779.

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

44, 20.729, 210.779

Protanopia

44, 6.605, 287.704

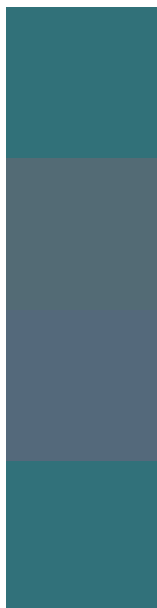
Deuteranopia

44, 13.889, 296.837



Tritanopia
44, 20.751, 212.516

Trichromacy



Original Color
44, 20.729, 210.779

Protanomaly
44, 10.554, 233.418

Deuteranomaly
43, 12.973, 255.776

Tritanomaly
44, 20.751, 212.516

Monochromacy



Original Color
44, 20.729, 210.779

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 9.298, 205.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 20.729, 210.779 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(49, 113, 121)` looks like.

```
.text, #text, p{  
    color:rgb(49, 113, 121)  
}
```

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(49, 113, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 113, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 20.729, 210.779 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(49, 113, 121) }
```

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

```
.border{ border-color:rgb(49, 113, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 113, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 113, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 113, 121);  
box-shadow:4px 4px 4px 4px rgb(49, 113,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 20.729, 210.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 113, 121) }
```

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

```
.background{ background-color: rgb(49, 113,  
121) }
```

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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