

Converting Colors

CIELCh(47, 20.559, 265.053)

Have a look what the booklet for
CIELCh(47, 20.559, 265.053)
contains.

CIELCh(47, 20.323, 264.199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 20.323, 264.199)

Conversions

Conversions Part 1

Format	Color
Hex	557291
RGB	85, 114, 145
RGB Percent	33%, 45%, 57%
CMY	0.6665, 0.5528, 0.4312
CMYK	0.41, 0.21, 0.00, 0.43
HSL	211°, 26%, 45%
HSV	211°, 41%, 57%
XYZ	14.8831, 16.0195, 29.1084
YIQ	108.8630, -27.2350, 3.4930

Conversions

Conversions Part 2

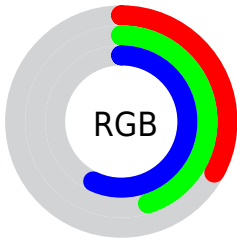
Format	Color
R _Y B	85, 105, 145
Decimal	5599889
CIE Lab	47.00, -2.05, -20.22
CIE LCh	47, 20.323, 264.199
Yxy	16.0195, 0.2480, 0.2669
Android (android.graphics.Color)	4283789969 (0xFF557291)
YUV	108.8630, 17.8155, -20.9279
Hunter-Lab	40.0243, -3.6671, -15.1027

Details

The CIELCh color **47, 20.323, 264.199** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **51, 22.519, 72.088**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 20.248, 263.812**, and **27, 20.258, 263.868** is the 20% darker color. If you saturate the color by 10%, you get **44, 25.079, 266.729**, and if you desaturate by 10%, it is **50, 15.496, 262.053**.

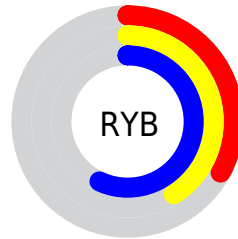
Distribution



Red (33%)

Green (45%)

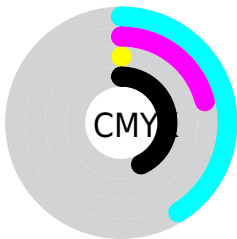
Blue (57%)



Red (33%)

Yellow (41%)

Blue (57%)

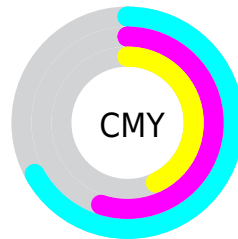


Cyan (41%)

Magenta (21%)

Yellow (0%)

Black (43%)



Cyan (67%)


Magenta (55%)

Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 20.323, 264.199 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 47, 20.323, 264.199 by changing the saturation by 10% instead.

 47, 20.323,
264.199


 47, 20.323,
264.199


 100, 20.323,
264.199


 37, 20.323,
264.199

 67, 20.323,
264.199


 27, 20.323,
264.199

 77, 20.323,
264.199

 17, 20.323,
264.199

 87, 20.323,
264.199

 7, 20.323, 264.199

 97, 20.323,
264.199

 0, 20.323, 264.199

 47, 20.323,

 47, 20.323,

264.199

264.199

■ 44, 25.079,
266.729

■ 50, 15.496,
262.053

■ 41, 29.773,
269.694

■ 53, 10.606,
260.243

■ 38, 34.432,
273.114

■ 57, 5.665, 258.726

■ 35, 39.104,
276.969

■ 60, 0.689, 257.772

■ 63, 4.305, 76.179

■ 33, 43.853,
281.168

■ 66, 9.303, 75.249

■ 30, 48.089,
284.740

■ 69, 14.292, 74.422

■ 73, 19.259, 73.696

■ 76, 24.197, 73.056

Harmonies

Complementary

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



47, 20.323, 264.199



51, 22.519, 72.088

Rectangle

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



47, 20.323, 264.199



47, 20.323, 314.199



47, 20.323, 84.199



47, 20.323, 134.199

Sweetspot

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



47, 20.322, 264.198



72, 7.408, 258.848



56, 28.056, 160.544



37, 4.896, 259.006



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



47, 20.322, 264.198



57, 30.262, 266.640



39, 36.776, 296.073



29, 2.780, 258.431



28, 45.389, 284.426



1, 1.884, 257.212

Inverse Universe

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



44, 29.554, 348.657



53, 43.903, 350.002



59, 33.136, 107.079



28, 3.907, 345.263



28, 52.846, 2.345



1, 2.609, 344.555

Previews

White Background



This preview shows how the CIE LCh color 47, 20.323, 264.199 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 CIE LCh color 47, 20.323, 264.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

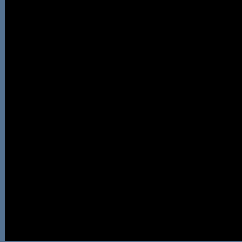
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

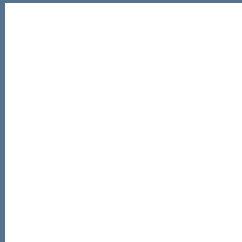
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 20.323, 264.199

Background



This preview shows how black text looks on a background with the CIELCh color 47, 20.323, 264.199.

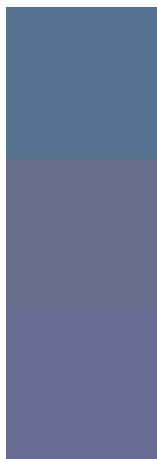


This preview shows how white text looks on a background with the CIELCh color 47, 20.323, 264.199.

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

47, 20.323, 264.199

Protanopia

47, 19.044, 285.219

Deuteranopia

47, 21.969, 287.639



Tritanopia
47, 14.152, 223.066

Trichromacy



Original Color
47, 20.323, 264.199

Protanomaly
47, 19.472, 277.214

Deuteranomaly
47, 21.163, 278.889

Tritanomaly
47, 15.515, 242.184

Monochromacy



Original Color
47, 20.323, 264.199

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.664, 257.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 20.323, 264.199 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(85, 114, 145)` looks like.

```
.text, #text, p{  
    color:rgb(85, 114, 145)  
}
```

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(85, 114, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 114, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 20.323, 264.199 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(85, 114, 145) }
```

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

```
.border{ border-color:rgb(85, 114, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 114, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 114, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 114, 145);  
box-shadow:4px 4px 4px 4px rgb(85, 114,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 20.323, 264.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 114, 145) }
```

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

```
.background{ background-color: rgb(85, 114,  
145) }
```

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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