

Converting Colors

CIELCh(47, 22.532, 261.901)

Have a look what the booklet for
CIELCh(47, 22.532, 261.901)
contains.

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Color

CIELCh(47, 22.658, 262.145)

Conversions

Conversions Part 1

Format	Color
Hex	4F7395
RGB	79, 115, 149
RGB Percent	31%, 45%, 58%
CMY	0.6912, 0.5500, 0.4167
CMYK	0.47, 0.23, 0.00, 0.42
HSL	209°, 31%, 45%
HSV	209°, 47%, 58%
XYZ	14.7110, 16.0195, 30.6437
YIQ	108.1120, -32.3700, 2.9420

Conversions

Conversions Part 2

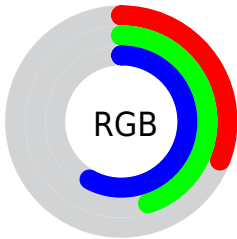
Format	Color
R_{YB}	79, 103, 149
Decimal	5206933
CIE _{Lab}	47.00, -3.10, -22.45
CIE _{LCh}	47, 22.658, 262.145
Yxy	16.0195, 0.2397, 0.2610
Android (android.graphics.Color)	4283397013 (0xFF4F7395)
YUV	108.1120, 20.1578, -25.5312
Hunter-Lab	40.0243, -4.4344, -17.3770

Details

The CIELCh color **47, 22.658, 262.145** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 26.198, 68.228**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 22.435, 261.928**, and **27, 22.701, 262.210** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.182, 264.934**, and if you desaturate by 10%, it is **50, 18.018, 259.787**.

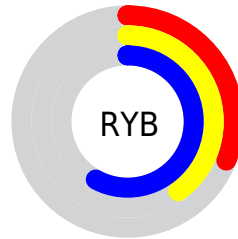
Distribution



Red (31%)

Green (45%)

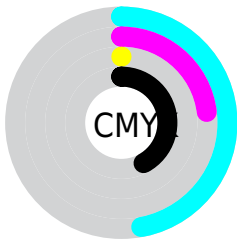
Blue (58%)



Red (31%)

Yellow (40%)

Blue (58%)

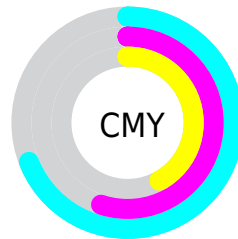


Cyan (47%)

Magenta (23%)

Yellow (0%)

Black (42%)



Cyan (69%)


Magenta (55%)

Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 22.658, 262.145 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, 22.658, 262.145 by changing the saturation by 10% instead.

 47, 22.658,
262.145

 47, 22.658,
262.145


 100, 22.658,
262.145


 37, 22.658,
262.145

 67, 22.658,
262.145


 27, 22.658,
262.145

 77, 22.658,
262.145

 17, 22.658,
262.145

 87, 22.658,
262.145

 7, 22.658, 262.145

 97, 22.658,
262.145

 0, 22.658, 262.145

 47, 22.658,

 47, 22.658,

262.145

■ 44, 27.182,
264.934

■ 41, 31.607,
268.199

■ 38, 35.971,
271.947

■ 36, 40.339,
276.129

■ 33, 44.802,
280.544

■ 33, 46.162,
281.758

262.145

■ 50, 18.018,
259.787

■ 53, 13.270,
257.805

■ 56, 8.427, 256.146

■ 59, 3.509, 254.786

■ 63, 1.462, 73.294

■ 66, 6.466, 72.435

■ 69, 11.486, 71.579

■ 72, 16.507, 70.828

■ 75, 21.516, 70.171

Harmonies

Complementary

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



47, 22.658, 262.145



50, 26.198, 68.228

Rectangle

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



47, 22.658, 262.145



47, 22.658, 312.145



47, 22.658, 82.145



47, 22.658, 132.145

Sweetspot

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



47, 22.657, 262.144



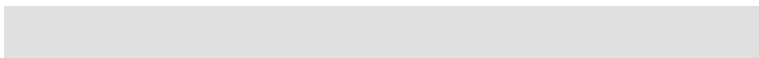
73, 8.597, 255.738



56, 33.208, 158.097



37, 5.911, 256.025



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 22.657, 262.144



57, 33.099, 264.961



37, 42.438, 296.050



30, 2.792, 255.048



30, 43.348, 281.408



1, 2.455, 253.846

Inverse Universe

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



43, 34.758, 347.551



52, 50.464, 349.013



60, 37.639, 105.058



29, 4.108, 343.570



29, 53.874, 359.562



1, 3.555, 342.877

Previews

White Background



This preview shows how the CIELCh color 47, 22.658, 262.145 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, 22.658, 262.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

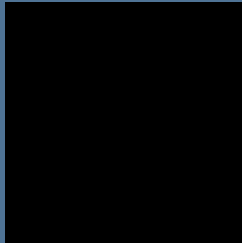
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

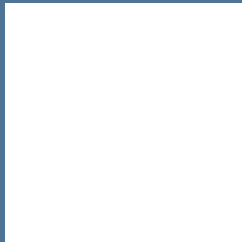
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 22.658, 262.145

Background



This preview shows how black text looks on a background with the CIELCh color 47, 22.658, 262.145.

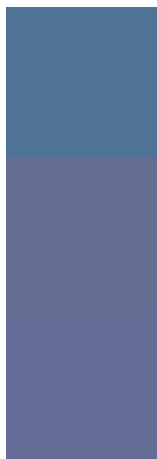


This preview shows how white text looks on a background with the CIELCh color 47, 22.658, 262.145.

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, 22.658, 262.145

Protanopia

47, 20.828, 285.225

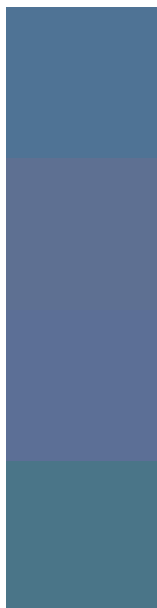
Deuteranopia

47, 24.390, 286.204



Tritanopia
47, 16.599, 218.948

Trichromacy



Original Color
47, 22.658, 262.145

Protanomaly
47, 20.797, 275.690

Deuteranomaly
47, 23.690, 277.778

Tritanomaly
47, 17.790, 237.776

Monochromacy



Original Color
47, 22.658, 262.145

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 9.029, 258.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 22.658, 262.145 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(79, 115, 149)` looks like.

```
.text, #text, p{  
    color:rgb(79, 115, 149)  
}
```

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(79, 115, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 115, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 22.658, 262.145 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(79, 115, 149) }
```

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

```
.border{ border-color:rgb(79, 115, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 115, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 115, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 115, 149);  
box-shadow:4px 4px 4px 4px rgb(79, 115,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 22.658, 262.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 115, 149) }
```

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

```
.background{ background-color: rgb(79, 115,  
149) }
```

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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