

Converting Colors

CIELCh(47, 21.391, 244.725)

Have a look what the booklet for
CIELCh(47, 21.391, 244.725)
contains.

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Color

CIELCh(47, 21.391, 244.725)

Conversions

Conversions Part 1

Format	Color
Hex	43758F
RGB	67, 117, 143
RGB Percent	26%, 46%, 56%
CMY	0.7356, 0.5396, 0.4376
CMYK	0.53, 0.18, 0.00, 0.44
HSL	201°, 36%, 41%
HSV	201°, 53%, 56%
XYZ	13.7408, 16.0195, 28.5189
YIQ	105.0140, -38.1460, -2.5140

Conversions

Conversions Part 2

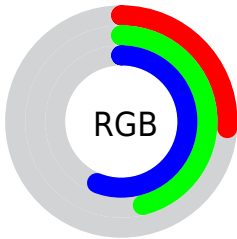
Format	Color
R _{YB}	67, 97, 143
Decimal	4421007
CIE _{Lab}	47.00, -9.13, -19.34
CIE _{LCh}	47, 21.391, 244.725
Y _{xy}	16.0195, 0.2358, 0.2749
Android (android.graphics.Color)	4282611087 (0xFF43758F)
Y _{UV}	105.0140, 18.7271, -33.3383
Hunter-Lab	40.0243, -8.7615, -14.2294

Details

The CIELCh color `47, 21.391, 244.725` is a dark color, and the websafe version is hex `006699`. A complement of this color would be `45, 29.053, 53.150`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 21.507, 244.897`, and `27, 21.476, 245.038` is the 20% darker color. If you saturate the color by 10%, you get `45, 24.544, 247.455`, and if you desaturate by 10%, it is `49, 17.909, 242.496`.

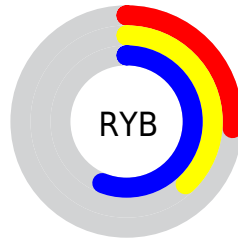
Distribution



Red (26%)

Green (46%)

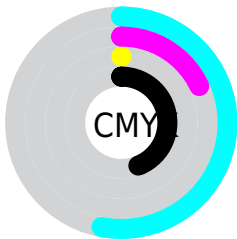
Blue (56%)



Red (26%)

Yellow (38%)

Blue (56%)

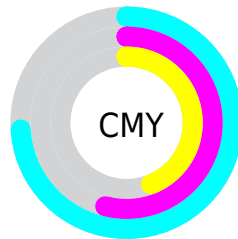


Cyan (53%)

Magenta (18%)

Yellow (0%)

Black (44%)



Cyan (74%)


Magenta (54%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 21.391, 244.725 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, 21.391, 244.725 by changing the saturation by 10% instead.


 47, 21.391,
244.725


 47, 21.391,
244.725


 100, 21.391,
244.725


 37, 21.391,
244.725

 67, 21.391,
244.725


 27, 21.391,
244.725

 77, 21.391,
244.725

 17, 21.391,
244.725

 87, 21.391,
244.725

 7, 21.391, 244.725

 97, 21.391,
244.725

 0, 21.391, 244.725

 47, 21.391,

 47, 21.391,

244.725

■ 45, 24.544,
247.455

■ 43, 27.372,
250.762

■ 41, 29.909,
254.689

■ 39, 32.238,
259.216

■ 38, 33.885,
262.443

244.725

■ 49, 17.909,
242.496

■ 52, 14.125,
240.693

■ 54, 10.077,
239.241

■ 56, 5.808, 238.085

■ 59, 1.360, 237.339

■ 61, 3.227, 56.166

■ 64, 7.919, 55.599

■ 66, 12.687, 55.095

■ 69, 17.506, 54.673

Harmonies

Complementary

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



47, 21.391, 244.725



45, 29.053, 53.150

Rectangle

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



47, 21.391, 244.725



47, 21.391, 294.725



47, 21.391, 64.725



47, 21.391, 114.725

Sweetspot

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



47, 21.390, 244.724



71, 8.797, 238.441



54, 40.713, 150.647



37, 5.965, 238.648



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, 21.390, 244.724



57, 30.583, 248.179



36, 39.273, 290.852



29, 2.534, 237.723



36, 32.349, 262.134



1, 1.738, 236.828

Inverse Universe

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



40, 40.967, 340.387



48, 58.986, 341.780



55, 35.871, 96.407



28, 4.409, 336.645



29, 56.421, 347.444



1, 2.955, 336.047

Previews

White Background



This preview shows how the CIELCh color 47, 21.391, 244.725 looks on a white background.

Color Contrast Check

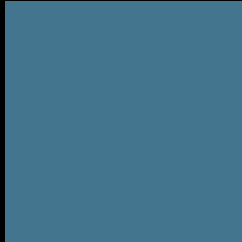
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.391, 244.725 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, 21.391, 244.725

Background



This preview shows how black text looks on a background with the CIELCh color 47, 21.391, 244.725.

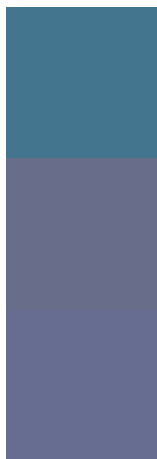


This preview shows how white text looks on a background with the CIELCh color 47, 21.391, 244.725.

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, 21.391, 244.725

Protanopia

47, 16.673, 284.931

Deuteranopia

47, 21.383, 287.392



Tritanopia
47, 19.596, 215.289

Trichromacy



Original Color
47, 21.391, 244.725

Protanomaly
47, 17.424, 266.336

Deuteranomaly
47, 20.077, 270.863

Tritanomaly
47, 19.671, 226.837

Monochromacy



Original Color
47, 21.391, 244.725

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.812, 236.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 21.391, 244.725 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(67, 117, 143)` looks like.

```
.text, #text, p{  
    color:rgb(67, 117, 143)  
}
```

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(67, 117, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 117, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 21.391, 244.725 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(67, 117, 143) }
```

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

```
.border{ border-color:rgb(67, 117, 143) }
```

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

Here you see how a box with a 4 pixel rgb(67, 117, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 117, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 117, 143);  
box-shadow:4px 4px 4px 4px rgb(67, 117,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 21.391, 244.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 117, 143) }
```

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

```
.background{ background-color: rgb(67, 117,  
143) }
```

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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