

Converting Colors

CIELCh(47, 12.243, 206.523)

Have a look what the booklet for
CIELCh(47, 12.243, 206.523)
contains.

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Color

CIELCh(47, 12.243, 206.523)

Conversions

Conversions Part 1

Format	Color
Hex	547578
RGB	84, 117, 120
RGB Percent	33%, 46%, 47%
CMY	0.6699, 0.5404, 0.5287
CMYK	0.30, 0.02, 0.00, 0.53
HSL	185°, 18%, 40%
HSV	185°, 30%, 47%
XYZ	13.4567, 16.0195, 20.2110
YIQ	107.4750, -20.6310, -6.0630

Conversions

Conversions Part 2

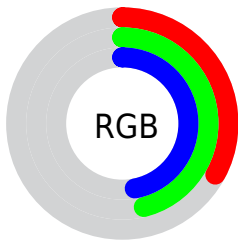
Format	Color
R _Y B	84, 101, 120
Decimal	5535096
CIE Lab	47.00, -10.95, -5.47
CIE LCh	47, 12.243, 206.523
Yxy	16.0195, 0.2708, 0.3224
Android (android.graphics.Color)	4283725176 (0xFF547578)
YUV	107.4750, 6.1748, -20.5876
Hunter-Lab	40.0243, -10.0286, -1.9226

Details

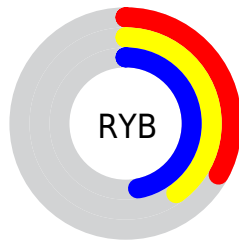
The CIELCh color $47, 12.243, 206.523$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 14.978, 28.308$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.130, 206.339$, and $27, 12.449, 206.648$ is the 20% darker color. If you saturate the color by 10%, you get $46, 15.682, 206.549$, and if you desaturate by 10%, it is $48, 8.436, 206.604$.

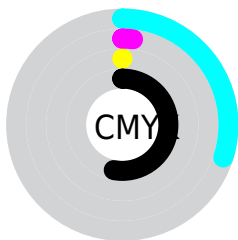
Distribution



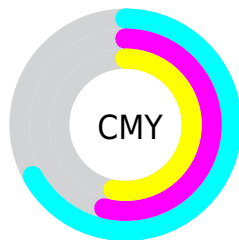
- Red (33%)
- Green (46%)
- Blue (47%)



- Red (33%)
- Yellow (40%)
- Blue (47%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)




- Cyan (67%)
- Magenta (54%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 12.243, 206.523 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, 12.243, 206.523 by changing the saturation by 10% instead.


 47, 12.243,
206.523


 47, 12.243,
206.523


 100, 12.243,
206.523


 37, 12.243,
206.523

 67, 12.243,
206.523


 27, 12.243,
206.523

 77, 12.243,
206.523


 17, 12.243,
206.523


 87, 12.243,
206.523

 7, 12.243, 206.523

 97, 12.243,
206.523

 0, 12.243, 206.523

 47, 12.243,

 47, 12.243,

206.523

■ 46, 15.682,
206.549

■ 45, 18.688,
206.712

■ 44, 21.203,
207.032

■ 44, 23.182,
207.536

■ 43, 24.604,
208.250

■ 43, 25.478,
209.199

■ 42, 26.022,
210.297

■ 42, 26.025,
210.302

206.523

■ 48, 8.436, 206.604

■ 49, 4.328, 206.806

■ 51, 0.021, 8.150

■ 52, 4.551, 27.147

■ 53, 9.216, 27.516

■ 55, 13.976, 27.887

■ 56, 18.796, 28.273

■ 58, 23.651, 28.671

■ 60, 28.517, 29.076

Harmonies

Complementary

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



47, 12.243, 206.523



40, 14.978, 28.308

Rectangle

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



47, 12.243, 206.523



47, 12.243, 256.523



47, 12.243, 26.523



47, 12.243, 76.523

Sweetspot

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



47, 12.243, 206.519



63, 4.841, 206.828



47, 24.770, 144.270



33, 3.380, 206.793



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 12.243, 206.519



59, 17.684, 206.526



42, 13.403, 266.787



25, 2.491, 206.832



44, 26.753, 210.363



84, 44.855, 211.202

Inverse Universe

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



41, 24.504, 328.410



50, 36.235, 328.791



45, 14.046, 78.556



24, 4.657, 327.240



28, 63.958, 331.723



59, 107.300, 331.929

Previews

White Background



This preview shows how the CIELCh color 47, 12.243, 206.523 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 47, 12.243, 206.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

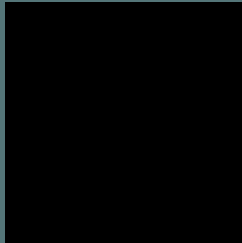
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

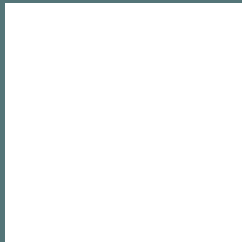
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 12.243, 206.523

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.243, 206.523.



This preview shows how white text looks on a background with the CIELCh color 47, 12.243, 206.523.

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, 12.243, 206.523

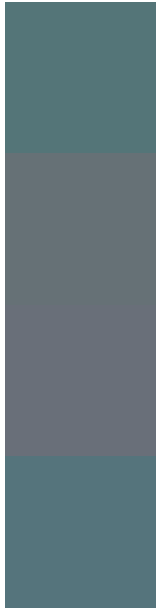
Protanopia
47, 3.660, 303.305

Deuteranopia
47, 9.077, 314.342



Tritanopia
47, 12.461, 226.919

Trichromacy



Original Color
47, 12.243, 206.523

Protanomaly
47, 5.149, 234.258

Deuteranomaly
47, 6.318, 269.397

Tritanomaly
47, 12.076, 221.560

Monochromacy



Original Color
47, 12.243, 206.523

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.770, 206.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.243, 206.523 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(84, 117, 120)` looks like.

```
.text, #text, p{  
    color:rgb(84, 117, 120)  
}
```

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(84, 117, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 117, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.243, 206.523 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(84, 117, 120) }
```

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

```
.border{ border-color:rgb(84, 117, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 117, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 117, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 117, 120);  
box-shadow:4px 4px 4px 4px rgb(84, 117,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.243, 206.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 117, 120) }
```

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

```
.background{ background-color: rgb(84, 117,  
120) }
```

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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