

Converting Colors

CIELCh(42, 15.930, 249.272)

Have a look what the booklet for
CIELCh(42, 15.930, 249.272)
contains.

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Color

CIELCh(42, 15.788, 248.944)

Conversions

Conversions Part 1

Format	Color
Hex	48677B
RGB	72, 103, 123
RGB Percent	28%, 40%, 48%
CMY	0.7178, 0.5962, 0.5178
CMYK	0.41, 0.16, 0.00, 0.52
HSL	204°, 26%, 38%
HSV	204°, 41%, 48%
XYZ	11.0904, 12.5000, 20.5563
YIQ	96.0110, -24.8960, -0.3520

Conversions

Conversions Part 2

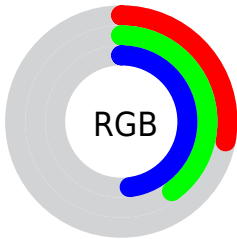
Format	Color
R_{YB}	72, 91, 123
Decimal	4745083
CIE _{Lab}	42.00, -5.67, -14.73
CIE _{LCh}	42, 15.788, 248.944
Yxy	12.5000, 0.2512, 0.2831
Android (android.graphics.Color)	4282935163 (0xFF48677B)
YUV	96.0110, 13.3056, -21.0576
Hunter-Lab	35.3553, -5.8794, -9.7236

Details

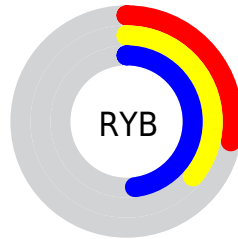
The CIELCh color $42, 15.788, 248.944$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 19.139, 59.128$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 15.929, 249.939$, and $22, 15.673, 249.250$ is the 20% darker color. If you saturate the color by 10%, you get $40, 19.148, 251.242$, and if you desaturate by 10%, it is $44, 12.226, 247.045$.

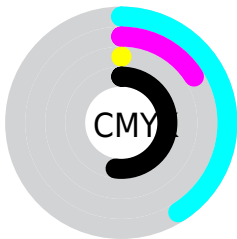
Distribution



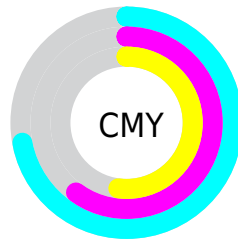
- Red (28%)
- Green (40%)
- Blue (48%)



- Red (28%)
- Yellow (36%)
- Blue (48%)



- Cyan (41%)
- Magenta (16%)
- Yellow (0%)
- Black (52%)



- Cyan (72%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 15.788, 248.944 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 42, 15.788, 248.944 by changing the saturation by 10% instead.

■ 42, 15.788,
248.944

■ 42, 15.788,
248.944

■ 100, 15.788,
248.944

■ 32, 15.788,
248.944

■ 62, 15.788,
248.944

■ 22, 15.788,
248.944

■ 72, 15.788,
248.944

■ 12, 15.788,
248.944

■ 82, 15.788,
248.944

■ 2, 15.788, 248.944

■ 92, 15.788,
248.944

■ 0, 15.788, 248.944

■ 42, 15.788,

■ 42, 15.788,

248.944

248.944

■ 40, 19.148,
251.242

■ 44, 12.226,
247.045

■ 38, 22.292,
254.013

■ 47, 8.488, 245.488

■ 36, 25.224,
257.314

■ 49, 4.603, 244.223

■ 51, 0.601, 243.603

■ 34, 27.976,
261.174

■ 54, 3.491, 62.095

■ 32, 30.612,
265.562

■ 56, 7.649, 61.393

■ 59, 11.853, 60.775

■ 30, 32.909,
269.298

■ 61, 16.085, 60.243

■ 63, 20.331, 59.786

Harmonies

Complementary

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



42, 15.788, 248.944



42, 19.139, 59.128

Rectangle

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



42, 15.788, 248.944



42, 15.788, 298.944



42, 15.788, 68.944



42, 15.788, 118.944

Sweetspot

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



42, 15.787, 248.942



63, 5.986, 244.316



47, 27.409, 154.212



32, 3.995, 244.434



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 15.787, 248.942



52, 23.161, 251.181



34, 28.179, 290.722



25, 2.259, 243.964



31, 33.330, 269.389



62, 58.436, 272.304

Inverse Universe

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



38, 27.876, 341.662



46, 41.327, 342.690



49, 26.111, 100.675



24, 3.741, 338.873



26, 52.021, 351.139



55, 86.740, 352.869

Previews

White Background



This preview shows how the CIE LCh color 42, 15.788, 248.944 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 42, 15.788, 248.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

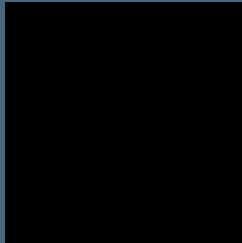
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 15.788, 248.944

Background



This preview shows how black text looks on a background with the CIELCh color 42, 15.788, 248.944.

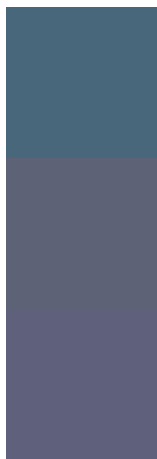


This preview shows how white text looks on a background with the CIELCh color 42, 15.788, 248.944.

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


42, 15.788, 248.944

Protanopia

42, 12.755, 285.240

Deuteranopia

42, 16.341, 289.963



Tritanopia
42, 13.624, 218.963

Trichromacy



Original Color
42, 15.788, 248.944

Protanomaly
42, 12.973, 268.533

Deuteranomaly
42, 15.583, 276.183

Tritanomaly
42, 14.079, 232.427

Monochromacy



Original Color
42, 15.788, 248.944

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 6.250, 241.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 15.788, 248.944 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(72, 103, 123)` looks like.

```
.text, #text, p{  
    color:rgb(72, 103, 123)  
}
```

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(72, 103, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 103, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 15.788, 248.944 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(72, 103, 123) }
```

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

```
.border{ border-color:rgb(72, 103, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 103, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 103, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 103, 123);  
box-shadow:4px 4px 4px 4px rgb(72, 103,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 15.788, 248.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 103, 123) }
```

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

```
.background{ background-color: rgb(72, 103,  
123) }
```

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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