

Converting Colors

CIELCh(42, 19.941, 97.293)

Have a look what the booklet for
CIELCh(42, 19.941, 97.293) contains.

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Color

CIELCh(42, 20.048, 96.464)

Conversions

Conversions Part 1

Format	Color
Hex	6B6342
RGB	107, 99, 66
RGB Percent	42%, 39%, 26%
CMY	0.5795, 0.6109, 0.7404
CMYK	0.00, 0.07, 0.38, 0.58
HSL	48°, 24%, 34%
HSV	48°, 38%, 42%
XYZ	11.5620, 12.5000, 6.9893
YIQ	97.6300, 15.3610, -8.5670

Conversions

Conversions Part 2

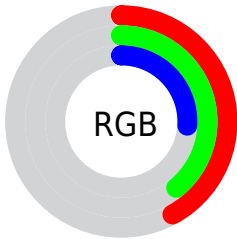
Format	Color
R_{YB}	76, 107, 66
Decimal	7037762
CIE _{Lab}	42.00, -2.26, 19.92
CIE _{LCh}	42, 20.048, 96.464
Yxy	12.5000, 0.3724, 0.4026
Android (android.graphics.Color)	4285227842 (0xFF6B6342)
YUV	97.6300, -15.5936, 8.2175
Hunter-Lab	35.3553, -3.4983, 13.0279

Details

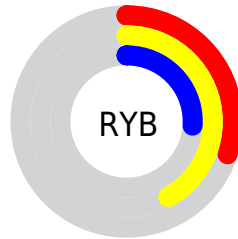
The CIELCh color **42, 20.048, 96.464** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **32, 20.989, 286.041**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 20.384, 97.172**, and **22, 20.385, 96.387** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.227, 95.314**, and if you desaturate by 10%, it is **43, 14.801, 97.606**.

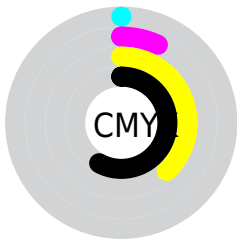
Distribution



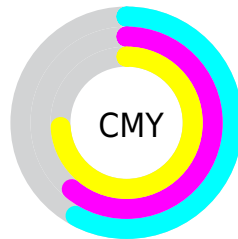
- Red (42%)
- Green (39%)
- Blue (26%)



- Red (30%)
- Yellow (42%)
- Blue (26%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (58%)



- Cyan (58%)
- Magenta (61%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 20.048, 96.464 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, 20.048, 96.464 by changing the saturation by 10% instead.

■ 42, 20.048, 96.464

■ 42, 20.048, 96.464

■ 100, 20.048,
96.464

■ 32, 20.048, 96.464

■ 62, 20.048, 96.464

■ 22, 20.048, 96.464

■ 72, 20.048, 96.464

■ 12, 20.048, 96.464

■ 82, 20.048, 96.464

■ 2, 20.048, 96.464

■ 92, 20.048, 96.464

■ 0, 20.048, 96.464

■ 42, 20.048, 96.464

■ 42, 20.048, 96.464

■ 41, 25.227, 95.314

■ 43, 14.801, 97.606

■ 40, 30.243, 94.148

■ 44, 9.540, 98.719

■ 40, 34.943, 92.972

■ 45, 4.296, 99.796

■ 39, 39.092, 91.780

■ 45, 0.912, 280.982

■ 38, 42.363, 90.549

■ 46, 6.075, 281.909

■ 38, 44.963, 89.308

■ 47, 11.188,
282.879

■ 38, 45.469, 89.106

■ 48, 16.250,
283.812

■ 49, 21.260,
284.702

■ 50, 26.220,
285.549

Harmonies

Complementary

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



42, 20.048, 96.464



32, 20.989, 286.041

Rectangle

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



42, 20.048, 96.464



42, 20.048, 146.464



42, 20.048, 276.464



42, 20.048, 326.464

Sweetspot

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



42, 20.049, 96.468



57, 7.147, 99.473



33, 19.150, 7.533



29, 4.841, 99.368



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 20.049, 96.468



53, 29.988, 95.426



43, 24.716, 119.713



22, 2.923, 99.722



41, 48.425, 88.947



81, 82.902, 87.995

Inverse Universe

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



32, 20.989, 286.041



39, 31.905, 287.801



31, 26.627, 304.348



20, 2.955, 281.710



15, 63.982, 301.517



35, 115.743, 303.033

Previews

White Background



This preview shows how the CIELCh color 42, 20.048, 96.464 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 42, 20.048, 96.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

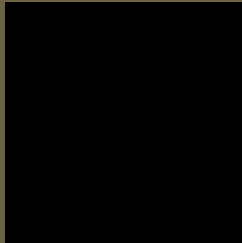
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.048, 96.464

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.048, 96.464.

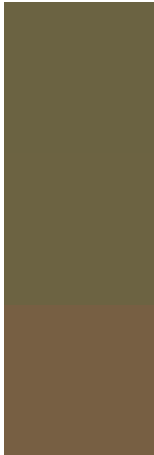


This preview shows how white text looks on a background with the CIELCh color 42, 20.048, 96.464.

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, 20.048, 96.464

Protanopia

42, 20.147, 95.154

Deuteranopia

42, 20.489, 74.055



Tritanopia
42, 7.927, 348.361

Trichromacy



Original Color
42, 20.048, 96.464

Protanomaly
42, 20.147, 95.154

Deuteranomaly
42, 19.975, 82.400

Tritanomaly
42, 7.472, 59.826

Monochromacy



Original Color
42, 20.048, 96.464

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 7.343, 98.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.048, 96.464 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(107, 99, 66)` looks like.

```
.text, #text, p{  
    color:rgb(107, 99, 66)  
}
```

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(107, 99, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 99, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.048, 96.464 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(107, 99, 66) }
```

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

```
.border{ border-color:rgb(107, 99, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 99, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 99, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 99, 66);  
box-shadow:4px 4px 4px 4px rgb(107, 99,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.048, 96.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 99, 66) }
```

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

```
.background{ background-color: rgb(107, 99,  
66) }
```

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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