

Converting Colors

CIELCh(42, 20.456, 105.998)

Have a look what the booklet for
CIELCh(42, 20.456, 105.998)
contains.

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Color

CIELCh(42, 20.784, 105.775)

Conversions

Conversions Part 1

Format	Color
Hex	666542
RGB	102, 101, 66
RGB Percent	40%, 40%, 26%
CMY	0.6004, 0.6043, 0.7415
CMYK	0.00, 0.01, 0.35, 0.60
HSL	58°, 21%, 33%
HSV	58°, 35%, 40%
XYZ	11.0934, 12.5000, 6.9682
YIQ	97.3090, 11.8310, -10.6730

Conversions

Conversions Part 2

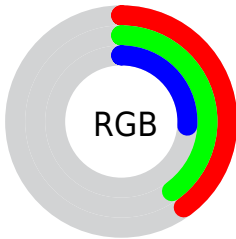
Format	Color
RYB	67, 102, 66
Decimal	6710594
CIELab	42.00, -5.65, 20.00
CIELCh	42, 20.784, 105.775
Yxy	12.5000, 0.3630, 0.4090
Android (android.graphics.Color)	4284900674 (0xFF666542)
YUV	97.3090, -15.4353, 4.1140
Hunter-Lab	35.3553, -5.8643, 13.0632

Details

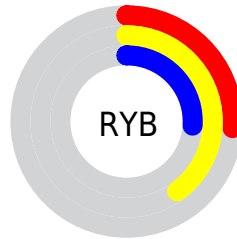
The CIELCh color $42, 20.784, 105.775$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 22.459, 293.318$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 21.090, 105.538$, and $22, 20.645, 105.431$ is the 20% darker color. If you saturate the color by 10%, you get $42, 26.436, 104.869$, and if you desaturate by 10%, it is $42, 14.981, 106.707$.

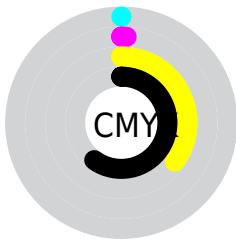
Distribution



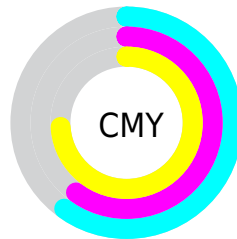
- Red (40%)
- Green (40%)
- Blue (26%)



- Red (26%)
- Yellow (40%)
- Blue (26%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (60%)





- Cyan (60%)
- Magenta (60%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.784, 105.775 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, 20.784, 105.775 by changing the saturation by 10% instead.


 42, 20.784,
105.775


 42, 20.784,
105.775


 100, 20.784,
105.775


 32, 20.784,
105.775

 62, 20.784,
105.775


 22, 20.784,
105.775

 72, 20.784,
105.775

 12, 20.784,
105.775

 82, 20.784,
105.775

 2, 20.784, 105.775

 92, 20.784,
105.775

 0, 20.784, 105.775

 42, 20.784,

 42, 20.784,

105.775

■ 42, 26.436,
104.869

■ 42, 31.831,
103.999

■ 41, 36.821,
103.192

■ 41, 41.192,
102.476

■ 41, 44.685,
101.879

■ 41, 47.252,
101.404

■ 41, 48.471,
101.184

105.775

■ 42, 14.981,
106.707

■ 43, 9.091, 107.640

■ 43, 3.158, 108.557

■ 43, 2.789, 289.497

■ 44, 8.732, 290.371

■ 44, 14.657,
291.223

■ 45, 20.556,
292.043

■ 45, 26.421,
292.826

■ 46, 32.247,
293.571

Harmonies

Complementary

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



42, 20.784, 105.775



30, 22.459, 293.318

Rectangle

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



42, 20.784, 105.775



42, 20.784, 155.775



42, 20.784, 285.775



42, 20.784, 335.775

Sweetspot

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



42, 20.785, 105.779



55, 8.108, 108.010



32, 16.799, 19.786



28, 5.404, 107.928



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 20.785, 105.779



54, 30.483, 105.059



41, 22.729, 126.318



21, 3.336, 108.231



46, 52.709, 101.161



91, 91.300, 101.055

Inverse Universe

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



30, 22.459, 293.318



36, 33.679, 294.615



31, 23.905, 309.601



19, 3.400, 289.935



11, 72.666, 305.703



31, 127.609, 306.050

Previews

White Background



This preview shows how the CIELCh color 42, 20.784, 105.775 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, 20.784, 105.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

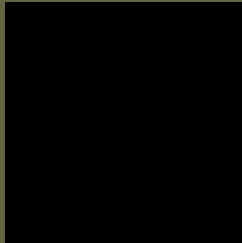
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

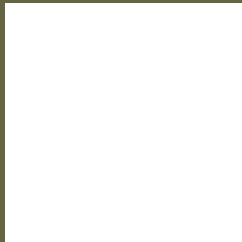
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 20.784, 105.775

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.784, 105.775.



This preview shows how white text looks on a background with the CIELCh color 42, 20.784, 105.775.

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

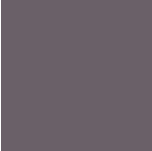
42, 20.784, 105.775

Protanopia

42, 20.719, 95.373

Deuteranopia

42, 20.489, 74.055



Tritanopia
42, 6.387, 331.049

Trichromacy



Original Color
42, 20.784, 105.775

Protanomaly
42, 21.007, 99.377

Deuteranomaly
42, 19.566, 84.886

Tritanomaly
42, 5.687, 77.221

Monochromacy



Original Color
42, 20.784, 105.775

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 7.243, 105.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.784, 105.775 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(102, 101, 66)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 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(102, 101, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.784, 105.775 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(102, 101, 66) }
```

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

```
.border{ border-color:rgb(102, 101, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 101, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 66);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.784, 105.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 66) }
```

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

```
.background{ background-color: rgb(102,  
101, 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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