

Converting Colors

CIELCh(42, 20.304, 300.197)

Have a look what the booklet for
CIELCh(42, 20.304, 300.197)
contains.

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Color

CIELCh(42, 20.200, 300.393)

Conversions

Conversions Part 1

Format	Color
Hex	665F80
RGB	102, 95, 128
RGB Percent	40%, 37%, 50%
CMY	0.6010, 0.6284, 0.4991
CMYK	0.20, 0.26, 0.00, 0.50
HSL	253°, 15%, 44%
HSV	253°, 26%, 50%
XYZ	13.3983, 12.5000, 22.0364
YIQ	100.8550, -6.4210, 11.7470

Conversions

Conversions Part 2

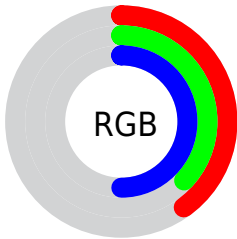
Format	Color
R_{YB}	102, 95, 128
Decimal	6709120
CIE _{Lab}	42.00, 10.22, -17.42
CIE _{LCh}	42, 20.200, 300.393
Yxy	12.5000, 0.2795, 0.2608
Android (android.graphics.Color)	4284899200 (0xFF665F80)
YUV	100.8550, 13.3825, 1.0042
Hunter-Lab	35.3553, 5.7726, -12.2058

Details

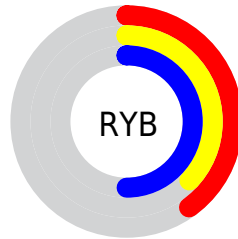
The CIELCh color $42, 20.200, 300.393$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 19.145, 116.793$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 20.501, 300.298$, and $22, 20.299, 299.861$ is the 20% darker color. If you saturate the color by 10%, you get $38, 28.531, 301.334$, and if you desaturate by 10%, it is $46, 12.153, 299.561$.

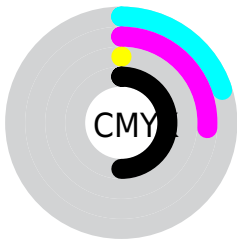
Distribution



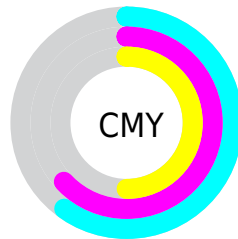
- Red (40%)
- Green (37%)
- Blue (50%)



- Red (40%)
- Yellow (37%)
- Blue (50%)



- Cyan (20%)
- Magenta (26%)
- Yellow (0%)
- Black (50%)





- Cyan (60%)
- Magenta (63%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.200, 300.393 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, 20.200, 300.393 by changing the saturation by 10% instead.

 42, 20.200,
300.393


 42, 20.200,
300.393


 100, 20.200,
300.393


 32, 20.200,
300.393

 62, 20.200,
300.393


 22, 20.200,
300.393

 72, 20.200,
300.393

 12, 20.200,
300.393

 82, 20.200,
300.393

 2, 20.200, 300.393

 92, 20.200,
300.393

 0, 20.200, 300.393

 42, 20.200,

 42, 20.200,

300.393

300.393

■ 38, 28.531,
301.334

■ 46, 12.153,
299.561

■ 33, 37.124,
302.383

■ 51, 4.396, 298.832

■ 29, 45.899,
303.519

■ 55, 3.085, 118.207

■ 60, 10.303,
117.657

■ 25, 54.673,
304.694

■ 64, 17.273,
117.183

■ 21, 63.076,
305.809

■ 68, 24.011,
116.773

■ 18, 70.465,
306.710

■ 73, 30.531,
116.420

■ 15, 76.184,
307.275

■ 77, 36.848,
116.115

■ 14, 78.566,
307.591

■ 81, 42.974,
115.852

Harmonies

Complementary

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



42, 20.200, 300.393



52, 19.145, 116.793

Rectangle

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



42, 20.200, 300.393



42, 20.200, 350.393



42, 20.200, 120.393



42, 20.200, 170.393

Sweetspot

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



42, 20.199, 300.392



64, 7.502, 298.996



49, 10.375, 220.520



33, 5.385, 299.090



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 20.199, 300.392



51, 30.328, 300.934



44, 21.782, 316.789



24, 4.271, 299.060



14, 78.461, 307.593



0, 0.000, 0.000

Inverse Universe

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



44, 20.331, 332.546



55, 30.174, 332.936



51, 21.381, 134.580



25, 4.402, 331.468



28, 58.956, 338.494



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 20.200, 300.393 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, 20.200, 300.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

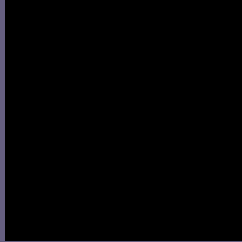
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.200, 300.393

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.200, 300.393.



This preview shows how white text looks on a background with the CIELCh color 42, 20.200, 300.393.

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, 20.200, 300.393

Protanopia

42, 19.459, 284.578

Deuteranopia

42, 18.157, 289.365



Tritanopia
42, 4.845, 286.148

Trichromacy



Original Color
42, 20.200, 300.393

Protanomaly
42, 19.358, 289.773

Deuteranomaly
42, 18.786, 294.015

Tritanomaly
42, 10.943, 295.851

Monochromacy



Original Color
42, 20.200, 300.393

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.302, 297.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.200, 300.393 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, 95, 128)` looks like.

```
.text, #text, p{  
    color:rgb(102, 95, 128)  
}
```

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, 95, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 95, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.200, 300.393 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, 95, 128) }
```

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

```
.border{ border-color:rgb(102, 95, 128) }
```

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

Here you see how a box with a 4 pixel rgb(102, 95, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 95, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 95, 128);  
box-shadow:4px 4px 4px 4px rgb(102, 95,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.200, 300.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 95, 128) }
```

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

```
.background{ background-color: rgb(102, 95,  
128) }
```

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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