

Converting Colors

CIELCh(42, 20.727, 101.805)

Have a look what the booklet for
CIELCh(42, 20.727, 101.805)
contains.

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Color

CIELCh(42, 20.896, 101.918)

Conversions

Conversions Part 1

Format	Color
Hex	686441
RGB	104, 100, 65
RGB Percent	41%, 39%, 25%
CMY	0.5912, 0.6069, 0.7442
CMYK	0.00, 0.04, 0.37, 0.59
HSL	54°, 23%, 33%
HSV	54°, 37%, 41%
XYZ	11.2762, 12.5000, 6.8527
YIQ	97.2060, 13.6190, -10.0370

Conversions

Conversions Part 2

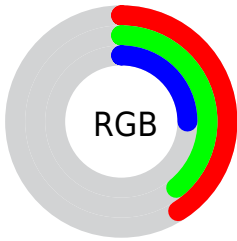
Format	Color
RYB	69, 104, 65
Decimal	6841409
CIELab	42.00, -4.32, 20.45
CIELCh	42, 20.896, 101.918
Yxy	12.5000, 0.3682, 0.4081
Android (android.graphics.Color)	4285031489 (0xFF686441)
YUV	97.2060, -15.8776, 5.9583
Hunter-Lab	35.3553, -4.9412, 13.2569

Details

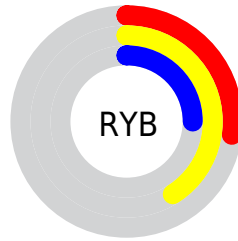
The CIELCh color $42, 20.896, 101.918$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 22.376, 290.523$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 21.201, 102.099$, and $22, 21.263, 102.408$ is the 20% darker color. If you saturate the color by 10%, you get $42, 26.301, 100.908$, and if you desaturate by 10%, it is $43, 15.366, 102.940$.

Distribution



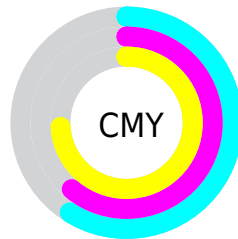
- Red (41%)
- Green (39%)
- Blue (25%)



- Red (27%)
- Yellow (41%)
- Blue (25%)



- Cyan (0%)
- Magenta (4%)
- Yellow (37%)
- Black (59%)





- Cyan (59%)
- Magenta (61%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.896, 101.918 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, 20.896, 101.918 by changing the saturation by 10% instead.


 42, 20.896,
101.918


 42, 20.896,
101.918


 100, 20.896,
101.918


 32, 20.896,
101.918

 62, 20.896,
101.918


 22, 20.896,
101.918

 72, 20.896,
101.918

 12, 20.896,
101.918

 82, 20.896,
101.918

 2, 20.896, 101.918

 92, 20.896,
101.918

 0, 20.896, 101.918

 42, 20.896,

 42, 20.896,

101.918

101.918

■ 42, 26.301,
100.908

■ 43, 15.366,
102.940

■ 41, 31.478, 99.913

■ 43, 9.775, 103.950

■ 41, 36.267, 98.953

■ 44, 4.163, 104.937

■ 40, 40.440, 98.041

■ 44, 1.445, 285.972

■ 40, 43.704, 97.190

■ 45, 7.033, 286.878

■ 39, 46.193, 96.395

■ 46, 12.592,
287.782

■ 39, 46.880, 96.196

■ 46, 18.116,
288.651

■ 47, 23.600,
289.482

■ 48, 29.042,
290.272

Harmonies

Complementary

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



42, 20.896, 101.918



30, 22.376, 290.523

Rectangle

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



42, 20.896, 101.918



42, 20.896, 151.918



42, 20.896, 281.918



42, 20.896, 331.918

Sweetspot

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



42, 20.897, 101.922



56, 7.632, 104.559



32, 18.147, 13.731



29, 5.169, 104.465



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 20.897, 101.922



53, 30.917, 101.027



42, 24.041, 123.075



21, 3.090, 104.795



43, 50.151, 96.116



86, 86.638, 95.666

Inverse Universe

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



30, 22.376, 290.523



36, 33.841, 292.107



31, 25.619, 306.996



19, 3.139, 286.609



13, 68.748, 304.134



32, 123.645, 305.172

Previews

White Background



This preview shows how the CIELCh color 42, 20.896, 101.918 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, 20.896, 101.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

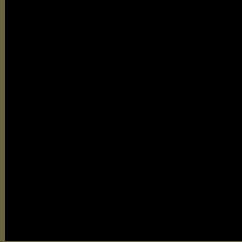
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.896, 101.918

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.896, 101.918.



This preview shows how white text looks on a background with the CIELCh color 42, 20.896, 101.918.

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, 20.896, 101.918

Protanopia

42, 20.719, 95.373

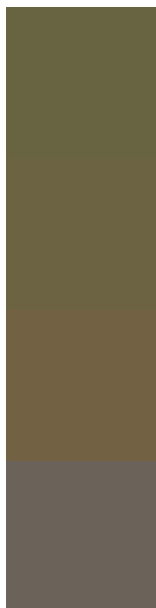
Deuteranopia

42, 21.003, 74.796



Tritanopia
42, 6.881, 342.513

Trichromacy



Original Color
42, 20.896, 101.918

Protanomaly
42, 20.623, 96.651

Deuteranomaly
42, 20.314, 84.160

Tritanomaly
42, 6.690, 73.445

Monochromacy



Original Color
42, 20.896, 101.918

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 7.877, 102.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.896, 101.918 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(104, 100, 65)` looks like.

```
.text, #text, p{  
    color:rgb(104, 100, 65)  
}
```

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(104, 100, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 100, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.896, 101.918 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(104, 100, 65) }
```

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

```
.border{ border-color:rgb(104, 100, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 100, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 100, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 100, 65);  
box-shadow:4px 4px 4px 4px rgb(104, 100,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.896, 101.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 100, 65) }
```

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

```
.background{ background-color: rgb(104,  
100, 65) }
```

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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