

Converting Colors

CIELCh(42, 21.534, 125.975)

Have a look what the booklet for
CIELCh(42, 21.534, 125.975)
contains.

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Color

CIELCh(42, 21.289, 125.496)

Conversions

Conversions Part 1

Format	Color
Hex	596846
RGB	89, 104, 70
RGB Percent	35%, 41%, 27%
CMY	0.6505, 0.5916, 0.7250
CMYK	0.14, 0.00, 0.33, 0.59
HSL	86°, 20%, 34%
HSV	86°, 33%, 41%
XYZ	10.2042, 12.5000, 7.6891
YIQ	95.6390, 1.9740, -13.7540

Conversions

Conversions Part 2

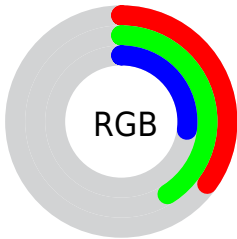
Format	Color
R_{YB}	70, 104, 85
Decimal	5859398
CIE _{Lab}	42.00, -12.36, 17.33
CIE _{LCh}	42, 21.289, 125.496
Yxy	12.5000, 0.3357, 0.4113
Android (android.graphics.Color)	4284049478 (0xFF596846)
YUV	95.6390, -12.6400, -5.8224
Hunter-Lab	35.3553, -10.3534, 11.8544

Details

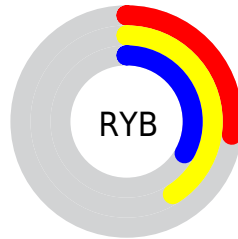
The CIELCh color $42, 21.289, 125.496$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 22.357, 308.616$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 21.050, 126.018$, and $22, 21.271, 125.140$ is the 20% darker color. If you saturate the color by 10%, you get $41, 27.640, 125.040$, and if you desaturate by 10%, it is $43, 14.814, 125.970$.

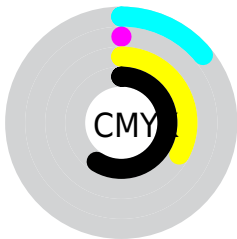
Distribution



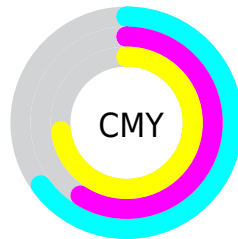
- Red (35%)
- Green (41%)
- Blue (27%)



- Red (27%)
- Yellow (41%)
- Blue (33%)



- Cyan (14%)
- Magenta (0%)
- Yellow (33%)
- Black (59%)



- Cyan (65%)
- Magenta (59%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 21.289, 125.496 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, 21.289, 125.496 by changing the saturation by 10% instead.

 42, 21.289,
125.496


 42, 21.289,
125.496

 100, 21.289,
125.496

 32, 21.289,
125.496

 62, 21.289,
125.496


 22, 21.289,
125.496

 72, 21.289,
125.496

 12, 21.289,
125.496

 82, 21.289,
125.496

 2, 21.289, 125.496

 92, 21.289,
125.496

 0, 21.289, 125.496

 42, 21.289,

 42, 21.289,

125.496

■ 41, 27.640,
125.040

■ 41, 33.767,
124.630

■ 41, 39.535,
124.316

■ 40, 44.754,
124.173

■ 40, 49.183,
124.297

■ 40, 52.613,
124.772

■ 39, 54.983,
125.082

125.496

■ 43, 14.814,
125.970

■ 43, 8.279, 126.437

■ 44, 1.733, 126.909

■ 45, 4.790, 307.279

■ 45, 11.266,
307.675

■ 46, 17.676,
308.034

■ 47, 24.007,
308.361

■ 48, 30.250,
308.658

■ 49, 36.398,

Harmonies

Complementary

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



42, 21.289, 125.496



33, 22.357, 308.616

Rectangle

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



42, 21.289, 125.496



42, 21.289, 175.496



42, 21.289, 305.496



42, 21.289, 355.496

Sweetspot

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



42, 21.290, 125.498



56, 8.098, 126.547



38, 12.845, 64.481



29, 5.569, 126.499



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, 21.290, 125.498



53, 31.362, 125.155



41, 24.574, 140.691



21, 3.607, 126.610



43, 58.994, 125.265



86, 103.185, 126.245

Inverse Universe

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



33, 22.357, 308.616



39, 33.354, 309.044



34, 24.666, 324.172



19, 3.658, 307.375



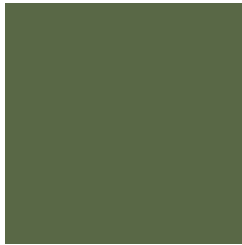
15, 69.746, 311.115



37, 121.787, 310.457

Previews

White Background



This preview shows how the CIELCh color 42, 21.289, 125.496 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, 21.289, 125.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

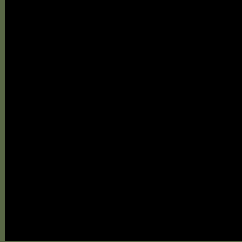
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

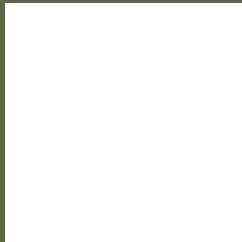
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 21.289, 125.496

Background



This preview shows how black text looks on a background with the CIELCh color 42, 21.289, 125.496.



This preview shows how white text looks on a background with the CIELCh color 42, 21.289, 125.496.

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, 21.289, 125.496

Protanopia

42, 18.896, 96.040

Deuteranopia

42, 17.375, 71.992



Tritanopia
42, 5.191, 268.385

Trichromacy



Original Color
42, 21.289, 125.496

Protanomaly
42, 19.038, 107.313

Deuteranomaly
42, 16.726, 93.356

Tritanomaly
42, 5.684, 150.804

Monochromacy



Original Color
42, 21.289, 125.496

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 7.564, 125.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 21.289, 125.496 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(89, 104, 70)` looks like.

```
.text, #text, p{  
    color:rgb(89, 104, 70)  
}
```

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(89, 104, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 104, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 21.289, 125.496 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(89, 104, 70) }
```

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

```
.border{ border-color:rgb(89, 104, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 104, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 104, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 104, 70);  
box-shadow:4px 4px 4px 4px rgb(89, 104,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 21.289, 125.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 104, 70) }
```

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

```
.background{ background-color: rgb(89, 104,  
70) }
```

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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