

Converting Colors

CIELCh(42, 55.956, 135.560)

Have a look what the booklet for
CIELCh(42, 55.956, 135.560)
contains.

CIELCh(42, 55.956, 135.560)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 55.956, 135.560)

Conversions

Conversions Part 1

Format	Color
Hex	28721B
RGB	40, 114, 27
RGB Percent	16%, 45%, 11%
CMY	0.8443, 0.5539, 0.8951
CMYK	0.65, 0.00, 0.76, 0.55
HSL	111°, 62%, 28%
HSV	111°, 76%, 45%
XYZ	7.0467, 12.5000, 3.0623
YIQ	81.9560, -16.1770, -42.7450

Conversions

Conversions Part 2

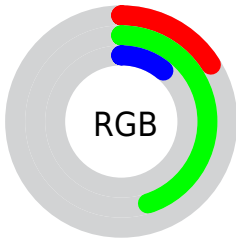
Format	Color
R_YB	27, 114, 101
Decimal	2650651
CIE _{Lab}	42.00, -39.95, 39.18
CIE _{LCh}	42, 55.956, 135.560
Yxy	12.5000, 0.3117, 0.5529
Android (android.graphics.Color)	4280840731 (0xFF28721B)
YUV	81.9560, -27.0933, -36.7954
Hunter-Lab	35.3553, -26.2949, 19.6134

Details

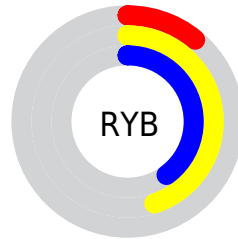
The CIELCh color **42, 55.956, 135.560** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **26, 56.209, 322.995**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 56.134, 135.691**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 60.533, 135.175**, and if you desaturate by 10%, it is **42, 50.199, 136.162**.

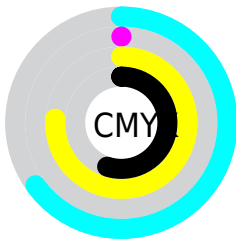
Distribution



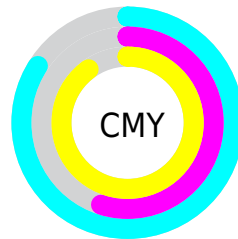
- Red (16%)
- Green (45%)
- Blue (11%)



- Red (11%)
- Yellow (45%)
- Blue (40%)



- Cyan (65%)
- Magenta (0%)
- Yellow (76%)
- Black (55%)





- Cyan (84%)
- Magenta (55%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 55.956, 135.560 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, 55.956, 135.560 by changing the saturation by 10% instead.


 42, 55.956,
135.560


 42, 55.956,
135.560


 100, 55.956,
135.560


 32, 55.956,
135.560

 62, 55.956,
135.560


 22, 55.956,
135.560

 72, 55.956,
135.560

 12, 55.956,
135.560

 82, 55.956,
135.560

 2, 55.956, 135.560

 92, 55.956,
135.560

 0, 55.956, 135.560

 42, 55.956,

 42, 55.956,

135.560

■ 42, 60.533,
135.175

■ 41, 63.873,
134.983

■ 41, 64.969,
134.825

135.560

■ 42, 50.199,
136.162

■ 43, 43.568,
136.870

■ 44, 36.337,
137.601

■ 44, 28.723,
138.302

■ 45, 20.896,
138.948

■ 46, 12.985,
139.528

■ 47, 5.084, 140.051

■ 48, 2.736, 320.408

■ 50, 10.425,
320.827

Harmonies

Complementary

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



42, 55.956, 135.560



26, 56.209, 322.995

Rectangle

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



42, 55.956, 135.560



42, 55.956, 185.560



42, 55.956, 315.560



42, 55.956, 5.560

Sweetspot

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



42, 55.956, 135.561



58, 22.494, 139.122



43, 41.518, 95.039



29, 15.471, 138.951



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 55.956, 135.561



53, 76.313, 135.093



42, 45.634, 147.980



23, 4.362, 139.923



44, 67.484, 134.875



86, 115.928, 135.313

Inverse Universe

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



26, 56.209, 322.995



32, 75.790, 322.837



27, 44.879, 343.479



22, 4.381, 320.687



24, 66.881, 322.735



52, 114.335, 322.436

Previews

White Background



This preview shows how the CIELCh color 42, 55.956, 135.560 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, 55.956, 135.560 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, 55.956, 135.560

Background



This preview shows how black text looks on a background with the CIELCh color 42, 55.956, 135.560.



This preview shows how white text looks on a background with the CIELCh color 42, 55.956, 135.560.

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, 55.956, 135.560

Protanopia

42, 42.190, 95.674

Deuteranopia

42, 37.481, 82.052



Tritanopia
42, 16.470, 217.178

Trichromacy



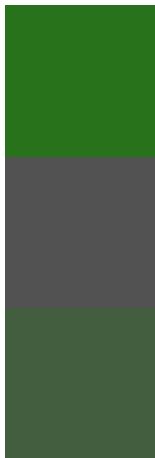
Original Color
42, 55.956, 135.560

Protanomaly
41, 44.451, 115.587

Deuteranomaly
41, 38.986, 110.041

Tritanomaly
42, 26.744, 160.474

Monochromacy



Original Color
42, 55.956, 135.560

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 22.873, 138.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 55.956, 135.560 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(40, 114, 27)` looks like.

```
.text, #text, p{  
    color:rgb(40, 114, 27)  
}
```

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(40, 114, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 114, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 55.956, 135.560 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(40, 114, 27) }
```

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

```
.border{ border-color:rgb(40, 114, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 114, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 114, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 114, 27);  
box-shadow:4px 4px 4px 4px rgb(40, 114,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 55.956, 135.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 114, 27) }
```

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

```
.background{ background-color: rgb(40, 114,  
27) }
```

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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