

Converting Colors

CIELCh(43, 29.762, 161.737)

Have a look what the booklet for
CIELCh(43, 29.762, 161.737)
contains.

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Color

CIELCh(43, 29.762, 161.737)

Conversions

Conversions Part 1

Format	Color
Hex	2F7155
RGB	47, 113, 85
RGB Percent	18%, 44%, 33%
CMY	0.8143, 0.5556, 0.6654
CMYK	0.58, 0.00, 0.25, 0.56
HSL	155°, 41%, 32%
HSV	155°, 58%, 44%
XYZ	8.7827, 13.1578, 10.7361
YIQ	90.0740, -30.3480, -22.7000

Conversions

Conversions Part 2

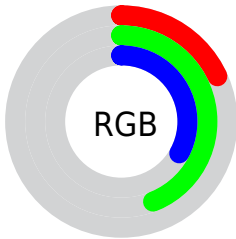
Format	Color
R_{YB}	47, 89, 113
Decimal	3109205
CIE Lab	43.00, -28.26, 9.33
CIE LCh	43, 29.762, 161.737
Yxy	13.1578, 0.2688, 0.4027
Android (android.graphics.Color)	4281299285 (0xFF2F7155)
YUV	90.0740, -2.5015, -37.7759
Hunter-Lab	36.2736, -20.2598, 7.8431

Details

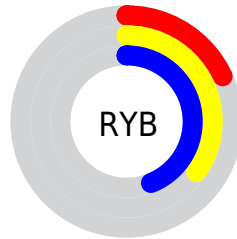
The CIELCh color $43, 29.762, 161.737$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 32.522, 354.835$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $63, 29.475, 162.221$, and $23, 27.275, 159.485$ is the 20% darker color. If you saturate the color by 10%, you get $43, 33.924, 160.224$, and if you desaturate by 10%, it is $44, 25.197, 163.085$.

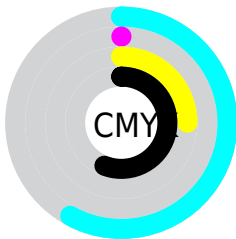
Distribution



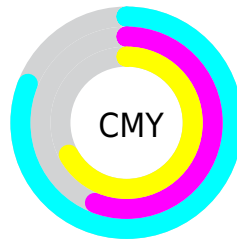
- Red (18%)
- Green (44%)
- Blue (33%)



- Red (18%)
- Yellow (35%)
- Blue (44%)



- Cyan (58%)
- Magenta (0%)
- Yellow (25%)
- Black (56%)





- Cyan (81%)
- Magenta (56%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 29.762, 161.737 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 43, 29.762, 161.737 by changing the saturation by 10% instead.


 43, 29.762,
161.737


 43, 29.762,
161.737


 100, 29.762,
161.737


 33, 29.762,
161.737

 63, 29.762,
161.737


 23, 29.762,
161.737

 73, 29.762,
161.737

 13, 29.762,
161.737

 83, 29.762,
161.737

 3, 29.762, 161.737

 93, 29.762,
161.737

 0, 29.762, 161.737

 43, 29.762,

 43, 29.762,

161.737

161.737

■ 43, 33.924,
160.224

■ 44, 25.197,
163.085

■ 42, 37.625,
158.531

■ 44, 20.303,
164.293

■ 42, 40.835,
156.645

■ 45, 15.162,
165.381

■ 42, 43.688,
154.688

■ 46, 9.856, 166.372

■ 42, 44.194,
154.364

■ 47, 4.458, 167.302

■ 48, 0.970, 347.766

■ 49, 6.378, 348.778

■ 50, 11.725,
349.509

■ 52, 16.984,
350.183

Harmonies

Complementary

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



43, 29.762, 161.737



30, 32.522, 354.835

Rectangle

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



43, 29.762, 161.737



43, 29.762, 211.737



43, 29.762, 341.737



43, 29.762, 31.737

Sweetspot

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



43, 29.762, 161.736



59, 11.443, 166.445



44, 41.061, 128.852



30, 7.600, 166.308



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



43, 29.762, 161.736



55, 42.804, 159.632



42, 20.172, 204.821



23, 3.025, 167.230



44, 46.125, 154.213



86, 80.897, 152.811

Inverse Universe

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



30, 32.522, 354.835



36, 46.928, 357.728



30, 31.007, 30.349



22, 3.073, 348.620



24, 48.307, 7.212



53, 82.696, 10.289

Previews

White Background



This preview shows how the CIELCh color 43, 29.762, 161.737 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 43, 29.762, 161.737 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 43, 29.762, 161.737

Background



This preview shows how black text looks on a background with the CIELCh color 43, 29.762, 161.737.



This preview shows how white text looks on a background with the CIELCh color 43, 29.762, 161.737.

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


43, 29.762, 161.737

Protanopia

43, 13.527, 94.754

Deuteranopia

43, 9.311, 51.077



Tritanopia
43, 17.745, 215.539

Trichromacy



Original Color
43, 29.762, 161.737

Protanomaly
42, 16.564, 137.500

Deuteranomaly
42, 10.610, 140.079

Tritanomaly
43, 20.246, 188.470

Monochromacy



Original Color
43, 29.762, 161.737

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 11.644, 166.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 29.762, 161.737 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(47, 113, 85)` looks like.

```
.text, #text, p{  
    color:rgb(47, 113, 85)  
}
```

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(47, 113, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 113, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 29.762, 161.737 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(47, 113, 85) }
```

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

```
.border{ border-color:rgb(47, 113, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 113, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 113, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 113, 85);  
box-shadow:4px 4px 4px 4px rgb(47, 113,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 29.762, 161.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 113, 85) }
```

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

```
.background{ background-color: rgb(47, 113,  
85) }
```

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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