

Converting Colors

CIELCh(42, 23.024, 140.960)

Have a look what the booklet for
CIELCh(42, 23.024, 140.960)
contains.

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Color

CIELCh(42, 23.056, 140.989)

Conversions

Conversions Part 1

Format	Color
Hex	4D6B4B
RGB	77, 107, 75
RGB Percent	30%, 42%, 29%
CMY	0.6995, 0.5819, 0.7073
CMYK	0.28, 0.00, 0.30, 0.58
HSL	116°, 18%, 36%
HSV	116°, 30%, 42%
XYZ	9.5054, 12.5000, 8.5029
YIQ	94.3820, -7.6080, -16.3120

Conversions

Conversions Part 2

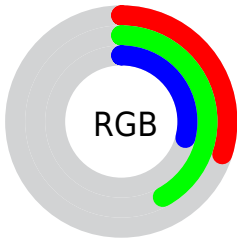
Format	Color
RYB	75, 107, 105
Decimal	5073739
CIELab	42.00, -17.92, 14.51
CIELCh	42, 23.056, 140.989
Yxy	12.5000, 0.3116, 0.4097
Android (android.graphics.Color)	4283263819 (0xFF4D6B4B)
YUV	94.3820, -9.5553, -15.2440
Hunter-Lab	35.3553, -13.8817, 10.4895

Details

The CIELCh color $42, 23.056, 140.989$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 23.136, 324.182$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 23.304, 140.875$, and $22, 22.586, 141.317$ is the 20% darker color. If you saturate the color by 10%, you get $41, 30.613, 140.218$, and if you desaturate by 10%, it is $43, 15.363, 141.673$.

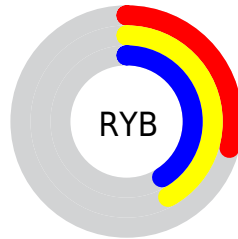
Distribution



Red (30%)

Green (42%)

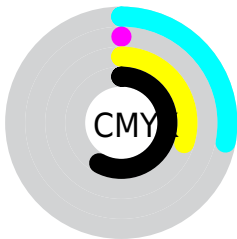
Blue (29%)



Red (29%)

Yellow (42%)

Blue (41%)

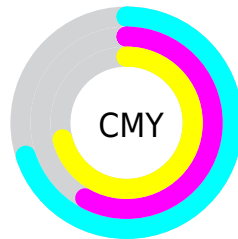


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (58%)



Cyan (70%)

Magenta (58%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 23.056, 140.989 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, 23.056, 140.989 by changing the saturation by 10% instead.

 42, 23.056,
140.989


 42, 23.056,
140.989


 100, 23.056,
140.989


 32, 23.056,
140.989

 62, 23.056,
140.989


 22, 23.056,
140.989

 72, 23.056,
140.989

 12, 23.056,
140.989

 82, 23.056,
140.989

 2, 23.056, 140.989

 92, 23.056,
140.989

 0, 23.056, 140.989

 42, 23.056,

 42, 23.056,

140.989

140.989

■ 41, 30.613,
140.218

■ 43, 15.363,
141.673

■ 40, 37.880,
139.368

■ 44, 7.646, 142.274

■ 40, 44.670,
138.465

■ 45, 0.010, 306.581

■ 46, 7.541, 323.180

■ 39, 50.746,
137.568

■ 48, 14.906,
323.564

■ 39, 55.834,
136.767

■ 49, 22.080,
323.887

■ 39, 59.650,
136.177

■ 50, 29.046,
324.162

■ 39, 62.631,
135.523

■ 52, 35.800,
324.397

■ 39, 62.633,
135.523

■ 54, 42.342,

Harmonies

Complementary

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



42, 23.056, 140.989



36, 23.136, 324.182

Rectangle

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



42, 23.056, 140.989



42, 23.056, 190.989



42, 23.056, 320.989



42, 23.056, 10.989

Sweetspot

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



42, 23.057, 140.989



56, 8.489, 142.317



44, 17.708, 104.459



28, 5.859, 142.254



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, 23.057, 140.989



53, 34.057, 140.461



42, 17.094, 157.744



22, 4.311, 142.332



43, 67.079, 135.573



85, 115.826, 135.825

Inverse Universe

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



36, 23.136, 324.182



44, 34.172, 324.499



36, 17.518, 342.626



21, 4.323, 323.169



26, 65.331, 325.891



55, 112.450, 325.755

Previews

White Background



This preview shows how the CIELCh color 42, 23.056, 140.989 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, 23.056, 140.989 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, 23.056, 140.989

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.056, 140.989.



This preview shows how white text looks on a background with the CIELCh color 42, 23.056, 140.989.

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

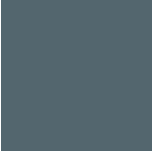
42, 23.056, 140.989

Protanopia

42, 17.065, 96.766

Deuteranopia

42, 14.622, 67.388



Tritanopia
42, 8.580, 233.179

Trichromacy



Original Color
42, 23.056, 140.989

Protanomaly
42, 18.149, 117.490

Deuteranomaly
42, 13.856, 102.483

Tritanomaly
42, 10.226, 173.698

Monochromacy



Original Color
42, 23.056, 140.989

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 8.674, 141.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.056, 140.989 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(77, 107, 75)` looks like.

```
.text, #text, p{  
    color:rgb(77, 107, 75)  
}
```

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(77, 107, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 107, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.056, 140.989 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(77, 107, 75) }
```

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

```
.border{ border-color:rgb(77, 107, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 107, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 107, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 107, 75);  
box-shadow:4px 4px 4px 4px rgb(77, 107,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.056, 140.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 107, 75) }
```

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

```
.background{ background-color: rgb(77, 107,  
75) }
```

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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