

Converting Colors

CIELCh(42, 53.024, 144.661)

Have a look what the booklet for
CIELCh(42, 53.024, 144.661)
contains.

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Color

CIELCh(42, 53.024, 144.661)

Conversions

Conversions Part 1

Format	Color
Hex	0A732D
RGB	10, 115, 45
RGB Percent	4%, 45%, 18%
CMY	0.9614, 0.5493, 0.8237
CMYK	0.91, 0.00, 0.61, 0.55
HSL	140°, 84%, 24%
HSV	140°, 91%, 45%
XYZ	6.7195, 12.5000, 4.5356
YIQ	75.6250, -40.1100, -44.0300

Conversions

Conversions Part 2

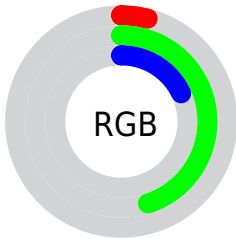
Format	Color
RYB	10, 89, 115
Decimal	684845
CIELab	42.00, -43.25, 30.67
CIELCh	42, 53.024, 144.661
Yxy	12.5000, 0.2829, 0.5262
Android (android.graphics.Color)	4278874925 (0xFF0A732D)
YUV	75.6250, -15.0981, -57.5531
Hunter-Lab	35.3553, -27.9466, 17.1426

Details

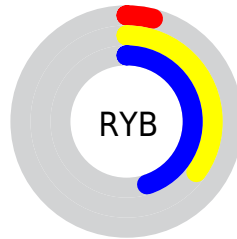
The CIELCh color **42, 53.024, 144.661** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 49.335, 344.899**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 53.071, 144.647**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 56.216, 143.187**, and if you desaturate by 10%, it is **42, 48.898, 146.495**.

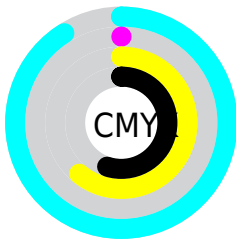
Distribution



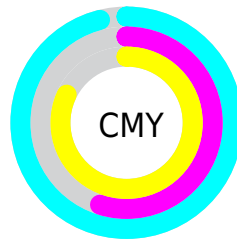
- Red (4%)
- Green (45%)
- Blue (18%)



- Red (4%)
- Yellow (35%)
- Blue (45%)



- Cyan (91%)
- Magenta (0%)
- Yellow (61%)
- Black (55%)





- Cyan (96%)
- Magenta (55%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 53.024, 144.661 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, 53.024, 144.661 by changing the saturation by 10% instead.


 42, 53.024,
144.661


 42, 53.024,
144.661


 100, 53.024,
144.661


 32, 53.024,
144.661

 62, 53.024,
144.661


 22, 53.024,
144.661

 72, 53.024,
144.661

 12, 53.024,
144.661

 82, 53.024,
144.661

 2, 53.024, 144.661

 92, 53.024,
144.661

 0, 53.024, 144.661

 42, 53.024,

 42, 53.024,

144.661

144.661

■ 42, 56.216,
143.187

■ 42, 48.898,
146.495

■ 43, 44.151,
148.176

■ 43, 38.848,
149.684

■ 44, 33.079,
151.019

■ 44, 26.951,
152.192

■ 45, 20.576,
153.220

■ 46, 14.055,
154.125

■ 47, 7.482, 154.931

Harmonies

Complementary

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



42, 53.024, 144.661



25, 49.335, 344.899

Rectangle

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



42, 53.024, 144.661



42, 53.024, 194.661



42, 53.024, 324.661



42, 53.024, 14.661

Sweetspot

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



42, 53.024, 144.661



59, 22.061, 153.570



44, 54.569, 120.358



30, 14.970, 153.325



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 53.024, 144.661



54, 69.213, 142.592



43, 31.600, 176.326



24, 3.741, 155.113



44, 59.006, 143.034



86, 102.828, 141.821

Inverse Universe

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



25, 49.335, 344.899



33, 61.184, 347.055



23, 47.923, 25.777



23, 3.762, 336.260



26, 52.881, 346.569



55, 88.722, 347.958

Previews

White Background



This preview shows how the CIELCh color 42, 53.024, 144.661 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, 53.024, 144.661 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, 53.024, 144.661

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.024, 144.661.



This preview shows how white text looks on a background with the CIELCh color 42, 53.024, 144.661.

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, 53.024, 144.661

Protanopia

42, 34.511, 95.986

Deuteranopia

42, 29.108, 79.213



Tritanopia
42, 19.977, 211.432

Trichromacy



Original Color
42, 53.024, 144.661

Protanomaly
41, 38.829, 126.250

Deuteranomaly
40, 32.431, 122.940

Tritanomaly
42, 29.397, 170.430

Monochromacy



Original Color
42, 53.024, 144.661

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 22.315, 152.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.024, 144.661 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(10, 115, 45)` looks like.

```
.text, #text, p{  
    color:rgb(10, 115, 45)  
}
```

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(10, 115, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 115, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.024, 144.661 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(10, 115, 45) }
```

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

```
.border{ border-color:rgb(10, 115, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 115, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 115, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 115, 45);  
box-shadow:4px 4px 4px 4px rgb(10, 115,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.024, 144.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 115, 45) }
```

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

```
.background{ background-color: rgb(10, 115,  
45) }
```

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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