

Converting Colors

CIELCh(45, 37.045, 146.062)

Have a look what the booklet for
CIELCh(45, 37.045, 146.062)
contains.

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Color

CIELCh(45, 37.031, 146.287)

Conversions

Conversions Part 1

Format	Color
Hex	3B7747
RGB	59, 119, 71
RGB Percent	23%, 47%, 28%
CMY	0.7691, 0.5338, 0.7220
CMYK	0.50, 0.00, 0.40, 0.53
HSL	132°, 34%, 35%
HSV	132°, 50%, 47%
XYZ	9.5106, 14.5417, 8.2466
YIQ	95.5880, -20.3520, -27.6480

Conversions

Conversions Part 2

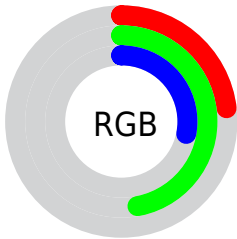
Format	Color
R_{YB}	59, 109, 119
Decimal	3897159
CIE _{Lab}	45.00, -30.80, 20.55
CIE _{LCh}	45, 37.031, 146.287
Yxy	14.5417, 0.2945, 0.4502
Android (android.graphics.Color)	4282087239 (0xFF3B7747)
YUV	95.5880, -12.1219, -32.0877
Hunter-Lab	38.1336, -22.2154, 13.8718

Details

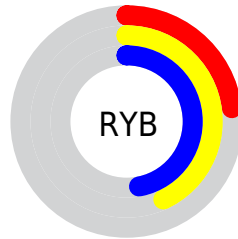
The CIELCh color **45, 37.031, 146.287** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34, 36.995, 333.734**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 37.263, 146.443**, and **25, 37.235, 145.996** is the 20% darker color. If you saturate the color by 10%, you get **44, 43.650, 145.041**, and if you desaturate by 10%, it is **46, 29.999, 147.385**.

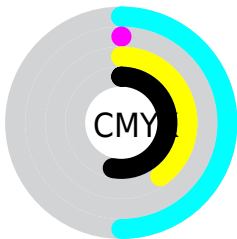
Distribution



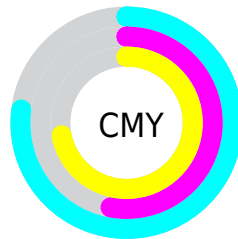
- Red (23%)
- Green (47%)
- Blue (28%)



- Red (23%)
- Yellow (43%)
- Blue (47%)



- Cyan (50%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)




- Cyan (77%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.031, 146.287 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 45, 37.031, 146.287 by changing the saturation by 10% instead.


 45, 37.031,
146.287


 45, 37.031,
146.287


 100, 37.031,
146.287


 35, 37.031,
146.287

 65, 37.031,
146.287


 25, 37.031,
146.287

 75, 37.031,
146.287

 15, 37.031,
146.287

 85, 37.031,
146.287

 5, 37.031, 146.287

 95, 37.031,
146.287

 0, 37.031, 146.287

 45, 37.031,

 45, 37.031,

146.287

146.287

■ 44, 43.650,
145.041

■ 46, 29.999,
147.385

■ 44, 49.701,
143.651

■ 47, 22.696,
148.343

■ 44, 55.035,
142.141

■ 48, 15.251,
149.177

■ 43, 59.517,
140.564

■ 49, 7.773, 149.909

■ 43, 63.051,
139.248

■ 50, 0.345, 151.117

■ 51, 6.967, 331.021

■ 53, 14.118,
331.514

■ 54, 21.079,
331.939

■ 56, 27.833,

Harmonies

Complementary

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



45, 37.031, 146.287



34, 36.995, 333.734

Rectangle

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



45, 37.031, 146.287



45, 37.031, 196.287



45, 37.031, 326.287



45, 37.031, 16.287

Sweetspot

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



45, 37.032, 146.287



62, 13.904, 149.560



48, 34.449, 114.775



32, 9.566, 149.434



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 37.032, 146.287



57, 54.640, 144.764



46, 24.556, 170.798



24, 4.127, 150.010



44, 64.472, 139.192



86, 111.745, 138.260

Inverse Universe

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



34, 36.995, 333.734



41, 53.984, 334.588



33, 28.369, 2.306



23, 4.140, 331.037



27, 57.775, 337.747



57, 97.175, 338.396

Previews

White Background



This preview shows how the CIELCh color 45, 37.031, 146.287 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 45, 37.031, 146.287 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 45, 37.031, 146.287

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.031, 146.287.



This preview shows how white text looks on a background with the CIELCh color 45, 37.031, 146.287.

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
45, 37.031, 146.287

Protanopia
45, 23.976, 95.554

Deuteranopia
45, 19.518, 71.574



Tritanopia
45, 15.410, 218.481

Trichromacy



Original Color
45, 37.031, 146.287

Protanomaly
45, 26.110, 122.562

Deuteranomaly
44, 19.589, 113.950

Tritanomaly
45, 19.465, 175.527

Monochromacy



Original Color
45, 37.031, 146.287

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 14.307, 148.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.031, 146.287 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(59, 119, 71)` looks like.

```
.text, #text, p{  
    color:rgb(59, 119, 71)  
}
```

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(59, 119, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 119, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.031, 146.287 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(59, 119, 71) }
```

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

```
.border{ border-color:rgb(59, 119, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 119, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 119, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 119, 71);  
box-shadow:4px 4px 4px 4px rgb(59, 119,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.031, 146.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 119, 71) }
```

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

```
.background{ background-color: rgb(59, 119,  
71) }
```

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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