

Converting Colors

CIELCh(46, 16.324, 137.830)

Have a look what the booklet for
CIELCh(46, 16.324, 137.830)
contains.

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Color

CIELCh(46, 16.320, 137.586)

Conversions

Conversions Part 1

Format	Color
Hex	5F725A
RGB	95, 114, 90
RGB Percent	37%, 45%, 35%
CMY	0.6266, 0.5521, 0.6462
CMYK	0.17, 0.00, 0.21, 0.55
HSL	107°, 12%, 40%
HSV	107°, 21%, 45%
XYZ	12.6367, 15.2687, 11.9999
YIQ	105.5830, -3.6200, -11.4920

Conversions

Conversions Part 2

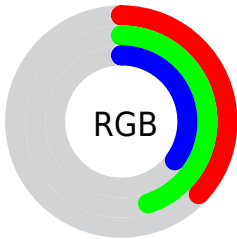
Format	Color
R_{YB}	90, 114, 109
Decimal	6255194
CIE _{Lab}	46.00, -12.05, 11.01
CIE _{LCh}	46, 16.320, 137.586
Yxy	15.2687, 0.3167, 0.3826
Android (android.graphics.Color)	4284445274 (0xFF5F725A)
YUV	105.5830, -7.6824, -9.2813
Hunter-Lab	39.0751, -10.6557, 9.1448

Details

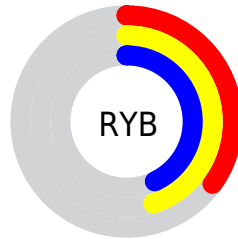
The CIELCh color **46, 16.320, 137.586** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 16.484, 319.435**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 16.381, 137.174**, and **26, 16.573, 137.778** is the 20% darker color. If you saturate the color by 10%, you get **45, 24.087, 137.027**, and if you desaturate by 10%, it is **47, 8.528, 138.094**.

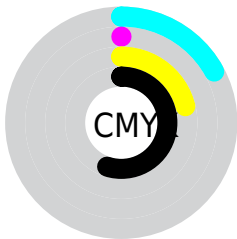
Distribution



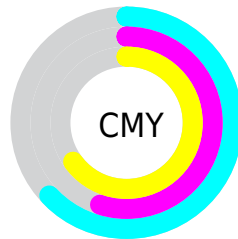
- Red (37%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (43%)



- Cyan (17%)
- Magenta (0%)
- Yellow (21%)
- Black (55%)





- Cyan (63%)
- Magenta (55%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.320, 137.586 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 46, 16.320, 137.586 by changing the saturation by 10% instead.


 46, 16.320,
137.586


 46, 16.320,
137.586


 100, 16.320,
137.586


 36, 16.320,
137.586

 66, 16.320,
137.586


 26, 16.320,
137.586

 76, 16.320,
137.586

 16, 16.320,
137.586


 86, 16.320,
137.586

 6, 16.320, 137.586

 96, 16.320,
137.586

 0, 16.320, 137.586

 46, 16.320,

 46, 16.320,

137.586

137.586

■ 45, 24.087,
137.027

■ 47, 8.528, 138.094

■ 44, 31.726,
136.420

■ 48, 0.781, 138.695

■ 49, 6.867, 318.885

■ 44, 39.103,
135.786

■ 50, 14.378,
319.230

■ 43, 46.038,
135.165

■ 52, 21.728,
319.521

■ 43, 52.296,
134.625

■ 53, 28.902,
319.771

■ 42, 57.590,
134.266

■ 54, 35.892,
319.984

■ 42, 61.620,
134.197

■ 56, 42.694,
320.166

■ 42, 64.557,
134.109

■ 57, 49.312,

Harmonies

Complementary

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



46, 16.320, 137.586



41, 16.484, 319.435

Rectangle

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



46, 16.320, 137.586



46, 16.320, 187.586



46, 16.320, 317.586



46, 16.320, 7.586

Sweetspot

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



46, 16.321, 137.587



60, 5.720, 138.329



46, 11.335, 97.046



31, 3.771, 138.307



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 16.321, 137.587



58, 24.001, 137.335



46, 14.248, 152.147



23, 4.283, 138.193



44, 66.863, 134.165



86, 115.023, 134.723

Inverse Universe

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



41, 16.484, 319.435



51, 24.287, 319.632



41, 14.352, 334.985



22, 4.307, 318.915



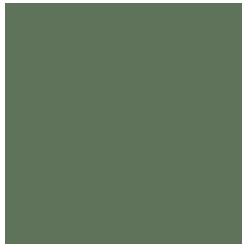
23, 67.391, 320.681



50, 115.290, 320.281

Previews

White Background



This preview shows how the CIE LCh color 46, 16.320, 137.586 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 46, 16.320, 137.586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

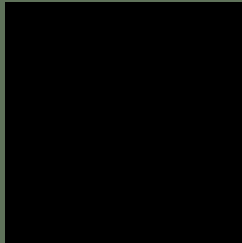
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 16.320, 137.586

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.320, 137.586.



This preview shows how white text looks on a background with the CIELCh color 46, 16.320, 137.586.

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

46, 16.320, 137.586

Protanopia

46, 13.249, 96.817

Deuteranopia

46, 11.776, 60.643



Tritanopia
46, 6.516, 254.588

Trichromacy



Original Color
46, 16.320, 137.586

Protanomaly
46, 13.607, 113.783

Deuteranomaly
46, 10.391, 94.174

Tritanomaly
46, 5.897, 181.153

Monochromacy



Original Color
46, 16.320, 137.586

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 6.112, 137.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.320, 137.586 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(95, 114, 90)` looks like.

```
.text, #text, p{  
    color:rgb(95, 114, 90)  
}
```

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(95, 114, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 114, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.320, 137.586 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(95, 114, 90) }
```

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

```
.border{ border-color:rgb(95, 114, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 114, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 114, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 114, 90);  
box-shadow:4px 4px 4px 4px rgb(95, 114,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.320, 137.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 114, 90) }
```

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

```
.background{ background-color: rgb(95, 114,  
90) }
```

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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