

Converting Colors

CIELCh(46, 13.734, 172.243)

Have a look what the booklet for
CIELCh(46, 13.734, 172.243)
contains.

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Color

CIELCh(46, 13.620, 171.936)

Conversions

Conversions Part 1

Format	Color
Hex	547369
RGB	84, 115, 105
RGB Percent	33%, 45%, 41%
CMY	0.6693, 0.5476, 0.5869
CMYK	0.27, 0.00, 0.09, 0.55
HSL	161°, 16%, 39%
HSV	161°, 27%, 45%
XYZ	12.4245, 15.2687, 15.7494
YIQ	104.5910, -15.2660, -9.6820

Conversions

Conversions Part 2

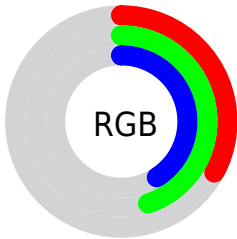
Format	Color
R_{YB}	84, 102, 115
Decimal	5534569
CIE _{Lab}	46.00, -13.49, 1.91
CIE _{LCh}	46, 13.620, 171.936
Yxy	15.2687, 0.2860, 0.3515
Android (android.graphics.Color)	4283724649 (0xFF547369)
YUV	104.5910, 0.2016, -18.0583
Hunter-Lab	39.0751, -11.6250, 3.4555

Details

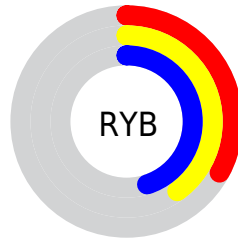
The CIELCh color $46, 13.620, 171.936$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 14.591, 357.095$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.752, 171.872$, and $26, 13.867, 171.898$ is the 20% darker color. If you saturate the color by 10%, you get $45, 18.395, 170.858$, and if you desaturate by 10%, it is $47, 8.649, 172.932$.

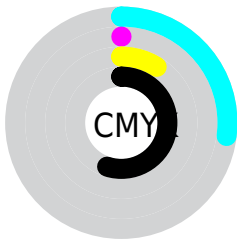
Distribution



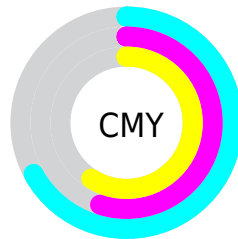
- Red (33%)
- Green (45%)
- Blue (41%)



- Red (33%)
- Yellow (40%)
- Blue (45%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (55%)





- Cyan (67%)
- Magenta (55%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.620, 171.936 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, 13.620, 171.936 by changing the saturation by 10% instead.


 46, 13.620,
171.936


 46, 13.620,
171.936


 100, 13.620,
171.936


 36, 13.620,
171.936

 66, 13.620,
171.936


 26, 13.620,
171.936

 76, 13.620,
171.936

 16, 13.620,
171.936


 86, 13.620,
171.936

 6, 13.620, 171.936

 96, 13.620,
171.936

 0, 13.620, 171.936

 46, 13.620,

 46, 13.620,

171.936

171.936

■ 45, 18.395,
170.858

■ 47, 8.649, 172.932

■ 45, 22.892,
169.682

■ 48, 3.549, 173.898

■ 49, 1.615, 354.470

■ 44, 27.036,
168.386

■ 50, 6.792, 355.422

■ 44, 30.755,
166.948

■ 51, 11.942,
356.204

■ 43, 33.999,
165.346

■ 53, 17.033,
356.936

■ 43, 36.743,
163.564

■ 54, 22.043,
357.631

■ 43, 39.081,
161.662

■ 55, 26.956,
358.295

■ 43, 39.802,
161.104

■ 57, 31.763,
358.931

Harmonies

Complementary

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



46, 13.620, 171.936



39, 14.591, 357.095

Rectangle

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



46, 13.620, 171.936



46, 13.620, 221.936



46, 13.620, 351.936



46, 13.620, 41.936

Sweetspot

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



46, 13.621, 171.934



61, 5.123, 173.767



46, 20.274, 133.499



32, 3.667, 173.643



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 13.621, 171.934



59, 19.977, 171.305



45, 10.087, 216.323



24, 2.938, 173.684



45, 41.629, 160.954



88, 72.109, 159.647

Inverse Universe

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



39, 14.591, 357.095



49, 21.747, 357.854



40, 12.034, 35.816



23, 3.007, 355.149



25, 49.966, 16.833



53, 85.953, 20.201

Previews

White Background



This preview shows how the CIELCh color 46, 13.620, 171.936 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, 13.620, 171.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

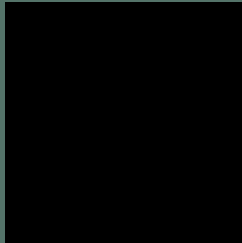
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.620, 171.936

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.620, 171.936.



This preview shows how white text looks on a background with the CIELCh color 46, 13.620, 171.936.

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, 13.620, 171.936

Protanopia

46, 4.466, 87.421

Deuteranopia

46, 5.962, 8.659



Tritanopia
46, 10.517, 229.280

Trichromacy



Original Color
46, 13.620, 171.936

Protanomaly
46, 6.051, 147.177

Deuteranomaly
46, 2.173, 144.373

Tritanomaly
46, 10.236, 205.015

Monochromacy



Original Color
46, 13.620, 171.936

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.441, 172.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.620, 171.936 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(84, 115, 105)` looks like.

```
.text, #text, p{  
    color:rgb(84, 115, 105)  
}
```

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(84, 115, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 115, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.620, 171.936 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(84, 115, 105) }
```

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

```
.border{ border-color:rgb(84, 115, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 115, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 115, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 115, 105);  
box-shadow:4px 4px 4px 4px rgb(84, 115,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.620, 171.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 115, 105) }
```

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

```
.background{ background-color: rgb(84, 115,  
105) }
```

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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