

Converting Colors

CIELCh(46, 3.637, 212.192)

Have a look what the booklet for
CIELCh(46, 3.637, 212.192) contains.

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Color

CIELCh(46, 3.620, 208.556)

Conversions

Conversions Part 1

Format	Color
Hex	666F70
RGB	102, 111, 112
RGB Percent	40%, 44%, 44%
CMY	0.6012, 0.5659, 0.5620
CMYK	0.09, 0.01, 0.00, 0.56
HSL	186°, 5%, 42%
HSV	186°, 9%, 44%
XYZ	14.0005, 15.2687, 17.4455
YIQ	108.4230, -5.6850, -1.5970

Conversions

Conversions Part 2

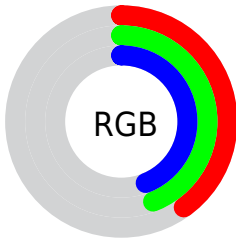
Format	Color
R_{YB}	102, 107, 112
Decimal	6713200
CIE _{Lab}	46.00, -3.18, -1.73
CIE _{LCh}	46, 3.620, 208.556
Yxy	15.2687, 0.2997, 0.3268
Android (android.graphics.Color)	4284903280 (0xFF666F70)
YUV	108.4230, 1.7635, -5.6330
Hunter-Lab	39.0751, -4.4253, 0.8820

Details

The CIELCh color $46, 3.620, 208.556$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 3.823, 28.713$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 3.763, 207.679$, and $26, 3.516, 209.667$ is the 20% darker color. If you saturate the color by 10%, you get $45, 7.461, 208.392$, and if you desaturate by 10%, it is $47, 0.434, 27.770$.

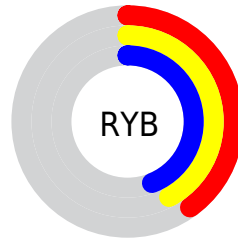
Distribution



Red (40%)

Green (44%)

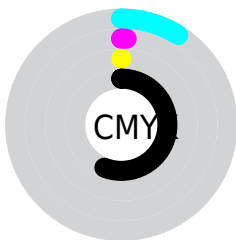
Blue (44%)



Red (40%)

Yellow (42%)

Blue (44%)

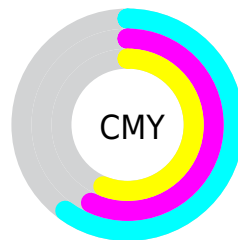


Cyan (9%)

Magenta (1%)

Yellow (0%)

Black (56%)



Cyan (60%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.620, 208.556 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, 3.620, 208.556 by changing the saturation by 10% instead.

■ 46, 3.620, 208.556

■ 46, 3.620, 208.556

■ 100, 3.620,
208.556

■ 36, 3.620, 208.556

■ 66, 3.620, 208.556

■ 26, 3.620, 208.556

■ 76, 3.620, 208.556

■ 16, 3.620, 208.556

■ 86, 3.620, 208.556

■ 6, 3.620, 208.556

■ 96, 3.620, 208.556

■ 0, 3.620, 208.556

■ 46, 3.620, 208.556

■ 46, 3.620, 208.556

■ 45, 7.461, 208.392

■ 47, 0.434, 27.770

■ 44, 11.031,
208.376

■ 49, 4.653, 28.757

43, 14.270,
208.486

50, 8.994, 29.068

42, 17.120,
208.742

51, 13.420, 29.388

53, 17.902, 29.726

41, 19.524,
209.171

54, 22.416, 30.078

40, 21.439,
209.805

56, 26.944, 30.438

58, 31.469, 30.802

40, 22.842,
210.676

59, 35.982, 31.166

39, 23.737,
211.818

39, 24.310,
213.140

Harmonies

Complementary

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



46, 3.620, 208.556



44, 3.823, 28.713

Rectangle

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



46, 3.620, 208.556



46, 3.620, 258.556



46, 3.620, 28.556



46, 3.620, 78.556

Sweetspot

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



46, 3.620, 208.537



60, 1.527, 208.816



46, 6.849, 146.289



31, 1.165, 208.751



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, 3.620, 208.537



59, 5.491, 208.488



45, 3.831, 265.047



23, 2.283, 208.536



41, 25.615, 213.421



81, 43.562, 214.522

Inverse Universe

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



44, 6.785, 327.728



56, 10.364, 327.862



46, 3.863, 82.752



22, 4.280, 327.731



27, 61.320, 332.472



57, 104.277, 332.742

Previews

White Background



This preview shows how the CIELCh color 46, 3.620, 208.556 looks on a white background.

Color Contrast Check

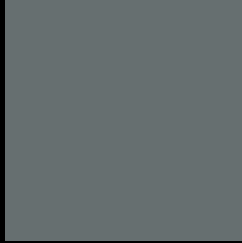
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 3.620, 208.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

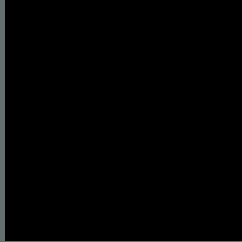
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

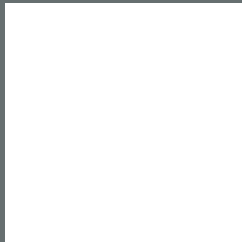
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 3.620, 208.556

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.620, 208.556.



This preview shows how white text looks on a background with the CIELCh color 46, 3.620, 208.556.

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, 3.620, 208.556

Protanopia

46, 1.454, 324.422

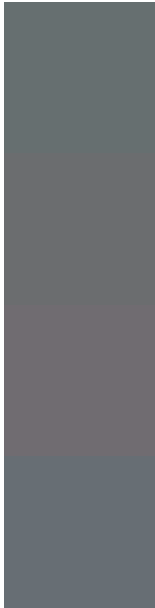
Deuteranopia

46, 6.450, 340.126



Tritanopia
46, 5.427, 260.625

Trichromacy



Original Color

46, 3.620, 208.556

Protanomaly

46, 1.429, 256.006

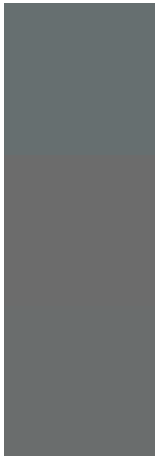
Deuteranomaly

46, 3.405, 318.955

Tritanomaly

46, 4.456, 252.545

Monochromacy



Original Color

46, 3.620, 208.556

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.216, 199.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.620, 208.556 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(102, 111, 112)` looks like.

```
.text, #text, p{  
    color:rgb(102, 111, 112)  
}
```

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(102, 111, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 111, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.620, 208.556 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(102, 111, 112) }
```

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

```
.border{ border-color:rgb(102, 111, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 111, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 111, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 111, 112);  
box-shadow:4px 4px 4px 4px rgb(102, 111,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.620, 208.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 111, 112) }
```

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

```
.background{ background-color: rgb(102,  
111, 112) }
```

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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