

Converting Colors

CIELCh(45, 6.250, 143.879)

Have a look what the booklet for
CIELCh(45, 6.250, 143.879) contains.

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Color

CIELCh(45, 6.556, 144.014)

Conversions

Conversions Part 1

Format	Color
Hex	646D64
RGB	100, 109, 100
RGB Percent	39%, 43%, 39%
CMY	0.6082, 0.5729, 0.6082
CMYK	0.08, 0.00, 0.08, 0.57
HSL	120°, 4%, 41%
HSV	120°, 8%, 43%
XYZ	13.0016, 14.5417, 14.1566
YIQ	105.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

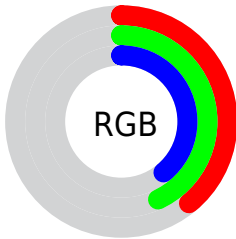
Format	Color
RYB	100, 109, 109
Decimal	6581604
CIELab	45.00, -5.30, 3.85
CIELCh	45, 6.556, 144.014
Yxy	14.5417, 0.3118, 0.3487
Android (android.graphics.Color)	4284771684 (0xFF646D64)
YUV	105.2830, -2.6045, -4.6332
Hunter-Lab	38.1336, -5.8742, 4.6829

Details

The CIELCh color $45, 6.556, 144.014$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 6.569, 324.844$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 6.105, 144.164$, and $25, 7.242, 143.694$ is the 20% darker color. If you saturate the color by 10%, you get $44, 14.568, 143.368$, and if you desaturate by 10%, it is $46, 1.374, 324.409$.

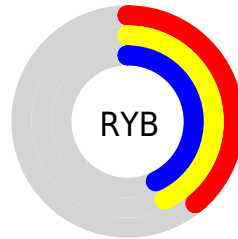
Distribution



Red (39%)

Green (43%)

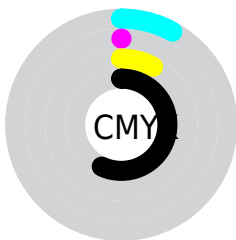
Blue (39%)



Red (39%)

Yellow (43%)

Blue (43%)

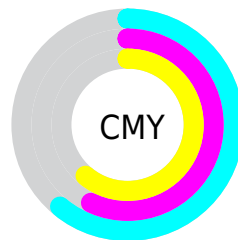


Cyan (8%)

Magenta (0%)

Yellow (8%)

Black (57%)



Cyan (61%)

Magenta (57%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.556, 144.014 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, 6.556, 144.014 by changing the saturation by 10% instead.

■ 45, 6.556, 144.014

■ 45, 6.556, 144.014

■ 100, 6.556,
144.014

■ 35, 6.556, 144.014

■ 65, 6.556, 144.014

■ 25, 6.556, 144.014

■ 75, 6.556, 144.014

■ 15, 6.556, 144.014

■ 85, 6.556, 144.014

■ 5, 6.556, 144.014

■ 95, 6.556, 144.014

■ 0, 6.556, 144.014

■ 45, 6.556, 144.014

■ 45, 6.556, 144.014

■ 44, 14.568,
143.368

■ 46, 1.374, 324.409

■ 43, 22.566,

■ 48, 9.159, 324.972

142.629

■ 49, 16.753,
325.373

■ 42, 30.423,
141.783

■ 50, 24.129,
325.711

■ 41, 37.978,
140.830

■ 52, 31.275,
326.000

■ 41, 45.027,
139.790

■ 54, 38.185,
326.247

■ 40, 51.326,
138.714

■ 55, 44.862,
326.459

■ 40, 56.595,
137.687

■ 57, 51.313,
326.643

■ 40, 60.550,
136.832

■ 59, 57.548,
326.803

■ 39, 63.490,
136.144

Harmonies

Complementary

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



45, 6.556, 144.014



43, 6.569, 324.844

Rectangle

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



45, 6.556, 144.014



45, 6.556, 194.014



45, 6.556, 324.014



45, 6.556, 14.014

Sweetspot

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



45, 6.557, 144.014



59, 1.968, 144.437



46, 5.328, 109.423



30, 1.111, 144.455



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 6.557, 144.014



58, 9.923, 143.890



45, 4.573, 163.061



22, 4.400, 143.972



42, 67.487, 136.016



85, 116.131, 136.016

Inverse Universe

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



43, 6.569, 324.844



55, 9.938, 324.953



43, 4.624, 344.242



21, 4.407, 324.881



27, 65.114, 328.233



58, 112.047, 328.233

Previews

White Background



This preview shows how the CIELCh color 45, 6.556, 144.014 looks on a white background.

Color Contrast Check

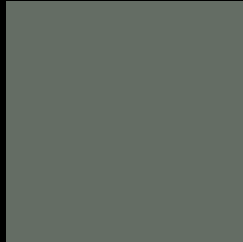
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 6.556, 144.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

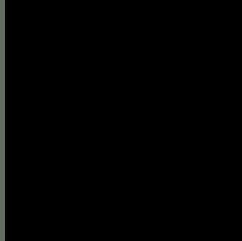
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

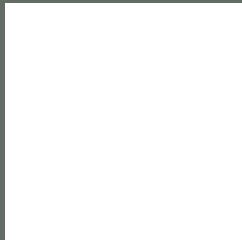
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 6.556, 144.014

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.556, 144.014.

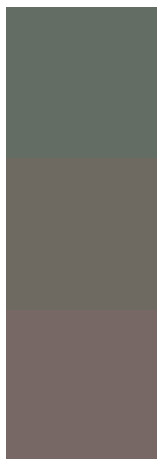


This preview shows how white text looks on a background with the CIELCh color 45, 6.556, 144.014.

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, 6.556, 144.014

Protanopia

45, 5.040, 89.815

Deuteranopia

45, 6.912, 30.038



Tritanopia
45, 5.124, 268.283

Trichromacy



Original Color

45, 6.556, 144.014

Protanomaly

45, 4.775, 114.540

Deuteranomaly

45, 3.780, 58.534

Tritanomaly

45, 3.023, 222.491

Monochromacy



Original Color

45, 6.556, 144.014

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 2.184, 144.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.556, 144.014 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(100, 109, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 109, 100)  
}
```

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(100, 109, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 109, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.556, 144.014 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(100, 109, 100) }
```

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

```
.border{ border-color:rgb(100, 109, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 109, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 109, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 109, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 109,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.556, 144.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 109, 100) }
```

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

```
.background{ background-color: rgb(100,  
109, 100) }
```

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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