

Converting Colors

CIELCh(45, 7.896, 327.019)

Have a look what the booklet for
CIELCh(45, 7.896, 327.019) contains.

CIELCh(45, 8.204, 327.316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 8.204, 327.316)

Conversions

Conversions Part 1

Format	Color
Hex	736772
RGB	115, 103, 114
RGB Percent	45%, 40%, 45%
CMY	0.5493, 0.5963, 0.5532
CMYK	0.00, 0.10, 0.01, 0.55
HSL	305°, 6%, 43%
HSV	305°, 10%, 45%
XYZ	14.9392, 14.5417, 17.9198
YIQ	107.8420, 3.6210, 5.9650

Conversions

Conversions Part 2

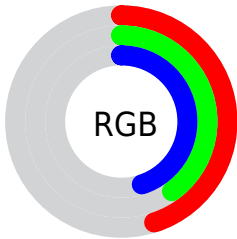
Format	Color
R_{YB}	115, 103, 114
Decimal	7563122
CIE _{Lab}	45.00, 6.90, -4.43
CIE _{LCh}	45, 8.204, 327.316
Yxy	14.5417, 0.3152, 0.3068
Android (android.graphics.Color)	4285753202 (0xFF736772)
YUV	107.8420, 3.0359, 6.2776
Hunter-Lab	38.1336, 3.1954, -1.1681

Details

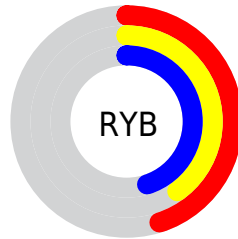
The CIELCh color $45, 8.204, 327.316$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 8.187, 146.192$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 8.331, 326.989$, and $25, 8.229, 327.815$ is the 20% darker color. If you saturate the color by 10%, you get $42, 16.123, 327.877$, and if you desaturate by 10%, it is $48, 0.347, 326.264$.

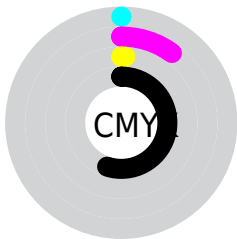
Distribution



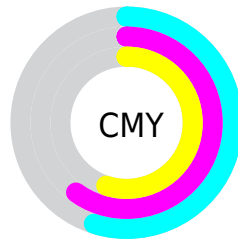
- Red (45%)
- Green (40%)
- Blue (45%)



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



- Cyan (0%)
- Magenta (10%)
- Yellow (1%)
- Black (55%)



- Cyan (55%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.204, 327.316 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, 8.204, 327.316 by changing the saturation by 10% instead.

■ 45, 8.204, 327.316

■ 45, 8.204, 327.316

■ 100, 8.204,
327.316

■ 35, 8.204, 327.316

■ 65, 8.204, 327.316

■ 25, 8.204, 327.316

■ 75, 8.204, 327.316

■ 15, 8.204, 327.316

■ 85, 8.204, 327.316

■ 5, 8.204, 327.316

■ 95, 8.204, 327.316

■ 0, 8.204, 327.316

■ 45, 8.204, 327.316

■ 45, 8.204, 327.316

■ 42, 16.123,
327.877

■ 48, 0.347, 326.264

■ 39, 23.998,

■ 52, 7.370, 146.296

328.430

55, 14.905,
145.775

36, 31.668,
328.975

58, 22.235,
145.283

33, 38.920,
329.503

62, 29.348,
144.816

31, 45.487,
330.007

65, 36.246,
144.374

29, 51.077,
330.478

69, 42.932,
143.957

28, 55.412,
330.916

72, 49.417,
143.564

27, 58.299,
331.323

76, 55.711,
143.195

26, 60.275,
331.692

Harmonies

Complementary

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



45, 8.204, 327.316



47, 8.187, 146.192

Rectangle

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



45, 8.204, 327.316



45, 8.204, 17.316



45, 8.204, 147.316



45, 8.204, 197.316

Sweetspot

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



45, 8.202, 327.316



61, 2.928, 326.863



44, 7.214, 294.339



32, 2.238, 326.916



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 8.202, 327.316



57, 12.756, 327.480



45, 5.801, 349.243



23, 4.494, 327.238



28, 63.024, 331.718



58, 106.477, 331.929

Inverse Universe

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



45, 8.202, 327.316



57, 12.756, 327.480



47, 5.695, 167.571



23, 4.494, 327.238



28, 63.024, 331.718



58, 106.477, 331.929

Previews

White Background



This preview shows how the CIELCh color 45, 8.204, 327.316 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, 8.204, 327.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

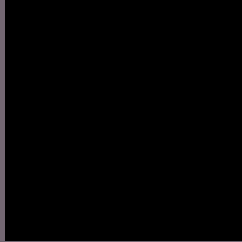
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 8.204, 327.316

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.204, 327.316.



This preview shows how white text looks on a background with the CIELCh color 45, 8.204, 327.316.

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, 8.204, 327.316

Protanopia

45, 5.970, 291.020

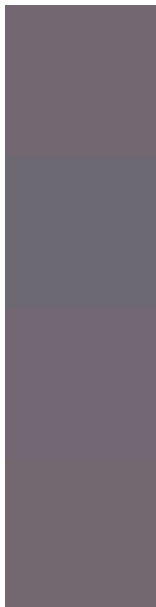
Deuteranopia

45, 7.970, 324.922



Tritanopia
45, 6.874, 336.332

Trichromacy



Original Color
45, 8.204, 327.316

Protanomaly
45, 6.207, 305.907

Deuteranomaly
45, 7.970, 324.922

Tritanomaly
45, 7.295, 332.955

Monochromacy



Original Color
45, 8.204, 327.316

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 3.158, 330.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.204, 327.316 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(115, 103, 114)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 114)  
}
```

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(115, 103, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.204, 327.316 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(115, 103, 114) }
```

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

```
.border{ border-color:rgb(115, 103, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 103, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 114);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.204, 327.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 114) }
```

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

```
.background{ background-color: rgb(115,  
103, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor