

Converting Colors

CIELCh(45, 20.047, 112.970)

Have a look what the booklet for
CIELCh(45, 20.047, 112.970)
contains.

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Color

CIELCh(45, 20.053, 112.467)

Conversions

Conversions Part 1

Format	Color
Hex	696D4B
RGB	105, 109, 75
RGB Percent	41%, 43%, 29%
CMY	0.5870, 0.5713, 0.7047
CMYK	0.04, 0.00, 0.31, 0.57
HSL	67°, 18%, 36%
HSV	67°, 31%, 43%
XYZ	12.6478, 14.5417, 8.8521
YIQ	103.9280, 8.5300, -11.4220

Conversions

Conversions Part 2

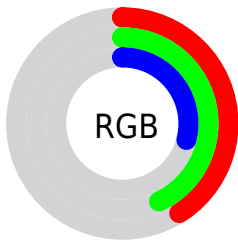
Format	Color
R_{YB}	75, 109, 79
Decimal	6909259
CIE _{Lab}	45.00, -7.66, 18.53
CIE _{LCh}	45, 20.053, 112.467
Yxy	14.5417, 0.3509, 0.4035
Android (android.graphics.Color)	4285099339 (0xFF696D4B)
YUV	103.9280, -14.2615, 0.9401
Hunter-Lab	38.1336, -7.5304, 12.9303

Details

The CIELCh color $45, 20.053, 112.467$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 21.494, 297.664$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 19.852, 111.604$, and $25, 20.532, 113.034$ is the 20% darker color. If you saturate the color by 10%, you get $45, 26.281, 111.740$, and if you desaturate by 10%, it is $45, 13.679, 113.220$.

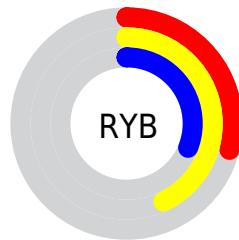
Distribution



Red (41%)

Green (43%)

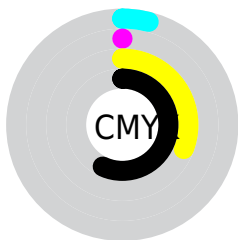
Blue (29%)



Red (29%)

Yellow (43%)

Blue (31%)

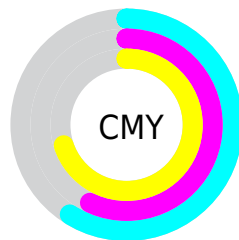


Cyan (4%)

Magenta (0%)

Yellow (31%)

Black (57%)



Cyan (59%)


Magenta (57%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 20.053, 112.467 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, 20.053, 112.467 by changing the saturation by 10% instead.

 45, 20.053,
112.467


 45, 20.053,
112.467


 100, 20.053,
112.467


 35, 20.053,
112.467

 65, 20.053,
112.467


 25, 20.053,
112.467

 75, 20.053,
112.467

 15, 20.053,
112.467

 85, 20.053,
112.467

 5, 20.053, 112.467

 95, 20.053,
112.467

 0, 20.053, 112.467

 45, 20.053,

 45, 20.053,

112.467

112.467

■ 45, 26.281,
111.740

■ 45, 13.679,
113.220

■ 44, 32.264,
111.055

■ 46, 7.220, 113.972

■ 44, 37.862,
110.451

■ 46, 0.720, 114.697

■ 47, 5.791, 295.436

■ 44, 42.875,
109.975

■ 47, 12.292,
296.128

■ 44, 47.045,
109.685

■ 48, 18.769,
296.789

■ 44, 50.103,
109.642

■ 48, 25.209,
297.417

■ 44, 52.394,
109.683

■ 49, 31.602,
298.011

■ 49, 37.944,

Harmonies

Complementary

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



45, 20.053, 112.467



34, 21.494, 297.664

Rectangle

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



45, 20.053, 112.467



45, 20.053, 162.467



45, 20.053, 292.467



45, 20.053, 342.467

Sweetspot

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



45, 20.054, 112.470



59, 7.279, 114.111



37, 14.051, 31.275



30, 5.023, 114.027



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, 20.054, 112.470



58, 29.530, 111.963



44, 22.115, 131.695



22, 3.589, 114.134



47, 55.094, 109.734



92, 94.901, 110.127

Inverse Universe

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



34, 21.494, 297.664



41, 32.241, 298.484



35, 22.783, 314.321



20, 3.661, 295.494



12, 74.663, 306.901



31, 129.031, 306.626

Previews

White Background



This preview shows how the CIELCh color 45, 20.053, 112.467 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, 20.053, 112.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

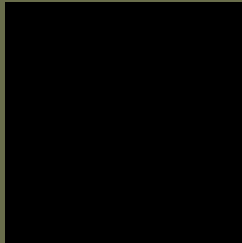
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

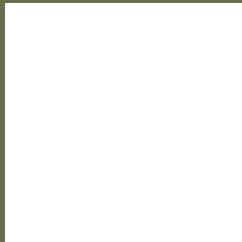
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 20.053, 112.467

Background



This preview shows how black text looks on a background with the CIELCh color 45, 20.053, 112.467.



This preview shows how white text looks on a background with the CIELCh color 45, 20.053, 112.467.

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, 20.053, 112.467

Protanopia

45, 19.353, 95.159

Deuteranopia

45, 18.692, 71.811



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color
45, 20.053, 112.467

Protanomaly
45, 19.527, 102.027

Deuteranomaly
45, 18.213, 88.645

Tritanomaly
45, 4.765, 104.422

Monochromacy



Original Color
45, 20.053, 112.467

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.197, 115.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 20.053, 112.467 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(105, 109, 75)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 75)  
}
```

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(105, 109, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 20.053, 112.467 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(105, 109, 75) }
```

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

```
.border{ border-color:rgb(105, 109, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 109, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 109, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 109, 75);  
box-shadow:4px 4px 4px 4px rgb(105, 109,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 20.053, 112.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 109, 75) }
```

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

```
.background{ background-color: rgb(105,  
109, 75) }
```

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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