

Converting Colors

CIELCh(45, 19.719, 150.901)

Have a look what the booklet for
CIELCh(45, 19.719, 150.901)
contains.

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Color

CIELCh(45, 19.738, 151.066)

Conversions

Conversions Part 1

Format	Color
Hex	51725A
RGB	81, 114, 90
RGB Percent	32%, 45%, 35%
CMY	0.6821, 0.5527, 0.6468
CMYK	0.29, 0.00, 0.21, 0.55
HSL	136°, 17%, 38%
HSV	136°, 29%, 45%
XYZ	11.2724, 14.5417, 11.9003
YIQ	101.3970, -11.9640, -14.4600

Conversions

Conversions Part 2

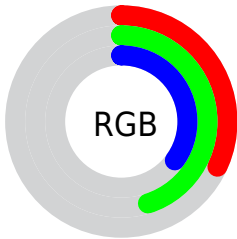
Format	Color
R_{YB}	81, 107, 114
Decimal	5337690
CIE _{Lab}	45.00, -17.27, 9.55
CIE _{LCh}	45, 19.738, 151.066
Yxy	14.5417, 0.2989, 0.3856
Android (android.graphics.Color)	4283527770 (0xFF51725A)
YUV	101.3970, -5.6187, -17.8882
Hunter-Lab	38.1336, -13.9689, 8.1909

Details

The CIELCh color **45, 19.738, 151.066** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 19.903, 335.110**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 19.792, 151.096**, and **25, 19.934, 150.270** is the 20% darker color. If you saturate the color by 10%, you get **44, 26.445, 150.101**, and if you desaturate by 10%, it is **46, 12.917, 151.910**.

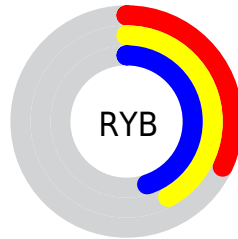
Distribution



Red (32%)

Green (45%)

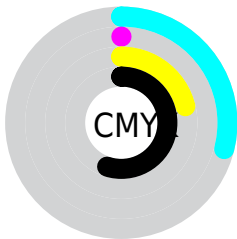
Blue (35%)



Red (32%)

Yellow (42%)

Blue (45%)

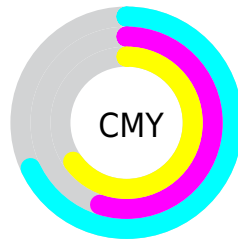


Cyan (29%)

Magenta (0%)

Yellow (21%)

Black (55%)



Cyan (68%)


Magenta (55%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.738, 151.066 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, 19.738, 151.066 by changing the saturation by 10% instead.

 45, 19.738,
151.066


 45, 19.738,
151.066


 100, 19.738,
151.066


 35, 19.738,
151.066

 65, 19.738,
151.066


 25, 19.738,
151.066

 75, 19.738,
151.066

 15, 19.738,
151.066

 85, 19.738,
151.066

 5, 19.738, 151.066

 95, 19.738,
151.066

 0, 19.738, 151.066

 45, 19.738,

 45, 19.738,

151.066

■ 44, 26.445,
150.101

■ 43, 32.927,
148.998

■ 43, 39.066,
147.740

■ 42, 44.739,
146.319

■ 42, 49.831,
144.741

■ 42, 54.248,
143.032

■ 41, 58.058,
141.392

■ 41, 58.443,
141.242

151.066

■ 46, 12.917,
151.910

■ 47, 6.071, 152.663

■ 48, 0.726, 332.969

■ 49, 7.419, 333.809

■ 51, 13.968,
334.328

■ 52, 20.347,
334.783

■ 54, 26.539,
335.192

■ 55, 32.539,
335.560

■ 57, 38.343,

Harmonies

Complementary

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



45, 19.738, 151.066



39, 19.903, 335.110

Rectangle

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



45, 19.738, 151.066



45, 19.738, 201.066



45, 19.738, 331.066



45, 19.738, 21.066

Sweetspot

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



45, 19.739, 151.066



60, 7.569, 152.641



47, 19.673, 118.862



31, 5.229, 152.557



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 19.739, 151.066



57, 29.466, 150.408



45, 13.644, 178.140



23, 3.770, 152.659



44, 60.700, 141.129



86, 106.451, 139.988

Inverse Universe

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



39, 19.903, 335.110



47, 29.727, 335.619



38, 15.110, 3.746



22, 3.787, 333.735



26, 54.138, 342.221



55, 91.527, 343.269

Previews

White Background



This preview shows how the CIELCh color 45, 19.738, 151.066 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 45, 19.738, 151.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

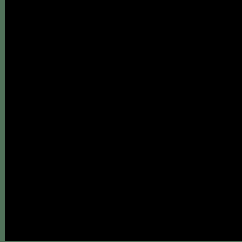
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 19.738, 151.066

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.738, 151.066.



This preview shows how white text looks on a background with the CIELCh color 45, 19.738, 151.066.

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, 19.738, 151.066

Protanopia

45, 12.157, 95.880

Deuteranopia

45, 9.938, 52.614



Tritanopia
45, 9.960, 231.420

Trichromacy



Original Color
45, 19.738, 151.066

Protanomaly
45, 13.486, 123.173

Deuteranomaly
44, 8.323, 108.978

Tritanomaly
45, 10.287, 188.154

Monochromacy



Original Color
45, 19.738, 151.066

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.374, 151.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.738, 151.066 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(81, 114, 90)` looks like.

```
.text, #text, p{  
    color:rgb(81, 114, 90)  
}
```

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(81, 114, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 114, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.738, 151.066 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(81, 114, 90) }
```

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

```
.border{ border-color:rgb(81, 114, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 114, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 114, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 114, 90);  
box-shadow:4px 4px 4px 4px rgb(81, 114,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.738, 151.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 114, 90) }
```

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

```
.background{ background-color: rgb(81, 114,  
90) }
```

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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