

Converting Colors

CIELCh(45, 53.762, 144.087)

Have a look what the booklet for
CIELCh(45, 53.762, 144.087)
contains.

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Color

CIELCh(45, 53.984, 143.927)

Conversions

Conversions Part 1

Format	Color
Hex	197B32
RGB	25, 123, 50
RGB Percent	10%, 48%, 20%
CMY	0.9033, 0.5185, 0.8047
CMYK	0.80, 0.00, 0.59, 0.52
HSL	135°, 67%, 29%
HSV	135°, 80%, 48%
XYZ	8.0192, 14.5417, 5.3791
YIQ	85.3760, -34.9750, -43.4790

Conversions

Conversions Part 2

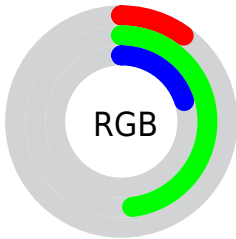
Format	Color
R_{YB}	25, 103, 123
Decimal	1669938
CIE Lab	45.00, -43.63, 31.79
CIE LCh	45, 53.984, 143.927
Yxy	14.5417, 0.2870, 0.5205
Android (android.graphics.Color)	4279860018 (0xFF197B32)
YUV	85.3760, -17.4404, -52.9498
Hunter-Lab	38.1336, -29.1968, 18.3302

Details

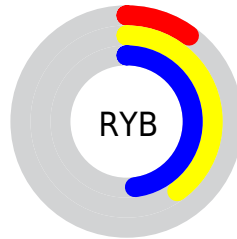
The CIELCh color **45, 53.984, 143.927** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **29, 51.683, 338.757**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 54.042, 143.947**, and **26, 48.109, 136.427** is the 20% darker color. If you saturate the color by 10%, you get **45, 58.576, 142.219**, and if you desaturate by 10%, it is **45, 48.629, 145.521**.

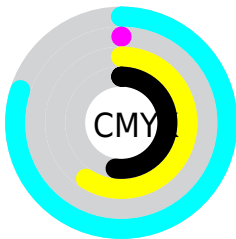
Distribution



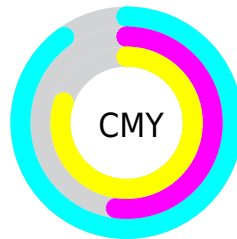
- Red (10%)
- Green (48%)
- Blue (20%)



- Red (10%)
- Yellow (40%)
- Blue (48%)



- Cyan (80%)
- Magenta (0%)
- Yellow (59%)
- Black (52%)





- Cyan (90%)
- Magenta (52%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 53.984, 143.927 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, 53.984, 143.927 by changing the saturation by 10% instead.


 45, 53.984,
143.927


 45, 53.984,
143.927


 100, 53.984,
143.927


 35, 53.984,
143.927

 65, 53.984,
143.927


 25, 53.984,
143.927

 75, 53.984,
143.927

 15, 53.984,
143.927

 85, 53.984,
143.927

 5, 53.984, 143.927

 95, 53.984,
143.927

 0, 53.984, 143.927

 45, 53.984,

 45, 53.984,

143.927

143.927

■ 45, 58.576,
142.219

■ 45, 48.629,
145.521

■ 45, 62.481,
140.619

■ 46, 42.617,
146.964

■ 45, 62.509,
140.608

■ 47, 36.076,
148.245

■ 47, 29.142,
149.369

■ 48, 21.949,
150.349

■ 49, 14.619,
151.206

■ 50, 7.255, 151.963

■ 52, 0.062, 328.920

Harmonies

Complementary

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



45, 53.984, 143.927



29, 51.683, 338.757

Rectangle

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



45, 53.984, 143.927



45, 53.984, 193.927



45, 53.984, 323.927



45, 53.984, 13.927

Sweetspot

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



45, 53.984, 143.927



63, 21.952, 150.820



48, 52.132, 116.174



32, 15.195, 150.561



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 53.984, 143.927



58, 75.167, 140.748



46, 33.950, 170.348



25, 4.105, 152.026



45, 63.355, 140.572



87, 109.265, 139.534

Inverse Universe

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



29, 51.683, 338.757



36, 66.996, 341.039



27, 44.176, 14.381



24, 4.122, 333.108



27, 56.355, 341.219



56, 93.993, 342.122

Previews

White Background



This preview shows how the CIELCh color 45, 53.984, 143.927 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, 53.984, 143.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

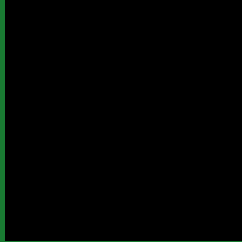
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 53.984, 143.927

Background



This preview shows how black text looks on a background with the CIELCh color 45, 53.984, 143.927.



This preview shows how white text looks on a background with the CIELCh color 45, 53.984, 143.927.

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, 53.984, 143.927

Protanopia

45, 35.415, 95.668

Deuteranopia

45, 30.268, 78.734



Tritanopia
45, 20.370, 212.814

Trichromacy



Original Color
45, 53.984, 143.927

Protanomaly
44, 39.068, 124.036

Deuteranomaly
43, 32.685, 119.478

Tritanomaly
45, 28.952, 170.514

Monochromacy



Original Color
45, 53.984, 143.927

Achromatopsia
36, 0.005, 296.813

Achromatomaly
39, 22.404, 149.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 53.984, 143.927 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(25, 123, 50)` looks like.

```
.text, #text, p{  
    color:rgb(25, 123, 50)  
}
```

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(25, 123, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 123, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 53.984, 143.927 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(25, 123, 50) }
```

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

```
.border{ border-color:rgb(25, 123, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 123, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 123, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 123, 50);  
box-shadow:4px 4px 4px 4px rgb(25, 123,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 53.984, 143.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 123, 50) }
```

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

```
.background{ background-color: rgb(25, 123,  
50) }
```

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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