

Converting Colors

CIELCh(44, 53.455, 126.384)

Have a look what the booklet for
CIELCh(44, 53.455, 126.384)
contains.

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Color

CIELCh(44, 53.435, 126.566)

Conversions

Conversions Part 1

Format	Color
Hex	457417
RGB	69, 116, 23
RGB Percent	27%, 45%, 9%
CMY	0.7291, 0.5448, 0.9095
CMYK	0.40, 0.00, 0.80, 0.54
HSL	90°, 67%, 27%
HSV	90°, 80%, 46%
XYZ	8.8692, 13.8382, 3.0186
YIQ	91.3450, 1.8410, -38.8870

Conversions

Conversions Part 2

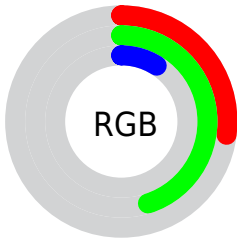
Format	Color
R_{YB}	23, 116, 70
Decimal	4551703
CIE _{Lab}	44.00, -31.83, 42.92
CIE _{LCh}	44, 53.435, 126.566
Yxy	13.8382, 0.3448, 0.5379
Android (android.graphics.Color)	4282741783 (0xFF457417)
YUV	91.3450, -33.6941, -19.5966
Hunter-Lab	37.1997, -22.5416, 21.2287

Details

The CIELCh color **44, 53.435, 126.566** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **21, 59.832, 312.697**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 53.464, 126.576**, and **24, 43.589, 133.148** is the 20% darker color. If you saturate the color by 10%, you get **44, 57.455, 126.988**, and if you desaturate by 10%, it is **44, 48.304, 126.509**.

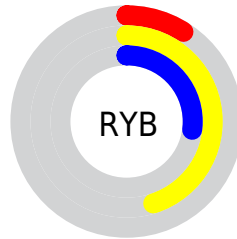
Distribution



Red (27%)

Green (45%)

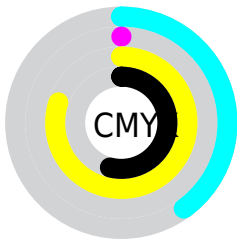
Blue (9%)



Red (9%)

Yellow (45%)

Blue (27%)

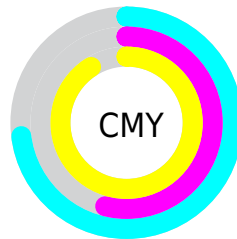


Cyan (40%)

Magenta (0%)

Yellow (80%)

Black (54%)



Cyan (73%)

Magenta (54%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 53.435, 126.566 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 44, 53.435, 126.566 by changing the saturation by 10% instead.


 44, 53.435,
126.566


 44, 53.435,
126.566


 100, 53.435,
126.566

 34, 53.435,
126.566

 64, 53.435,
126.566

 24, 53.435,
126.566

 74, 53.435,
126.566

 14, 53.435,
126.566

 84, 53.435,
126.566

 4, 53.435, 126.566

 94, 53.435,
126.566

 0, 53.435, 126.566

 44, 53.435,

 44, 53.435,

126.566

■ 44, 57.455,
126.988

■ 43, 60.715,
127.545

126.566

■ 44, 48.304,
126.509

■ 45, 42.344,
126.702

■ 45, 35.818,
127.048

■ 46, 28.928,
127.474

■ 47, 21.820,
127.934

■ 47, 14.597,
128.396

■ 48, 7.331, 128.846

■ 49, 0.074, 130.343

Harmonies

Complementary

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



44, 53.435, 126.566



21, 59.832, 312.697

Rectangle

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



44, 53.435, 126.566



44, 53.435, 176.566



44, 53.435, 306.566



44, 53.435, 356.566

Sweetspot

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



44, 53.435, 126.567



60, 21.536, 128.189



34, 38.340, 65.516



31, 14.903, 128.056



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 53.435, 126.567



56, 72.207, 127.647



42, 60.354, 137.460



24, 4.115, 128.894



46, 63.120, 127.638



88, 107.947, 128.528

Inverse Universe

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



21, 59.832, 312.697



24, 82.166, 312.332



28, 58.999, 327.931



23, 4.167, 309.627



18, 72.132, 312.424



40, 122.989, 311.811

Previews

White Background



This preview shows how the CIELCh color 44, 53.435, 126.566 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 44, 53.435, 126.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

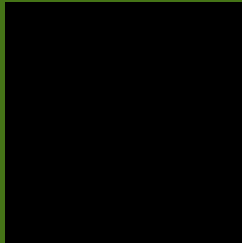
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 53.435, 126.566

Background



This preview shows how black text looks on a background with the CIELCh color 44, 53.435, 126.566.



This preview shows how white text looks on a background with the CIELCh color 44, 53.435, 126.566.

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


44, 53.435, 126.566

Protanopia

44, 45.368, 95.423

Deuteranopia

44, 41.150, 81.650



Tritanopia
44, 10.855, 228.444

Trichromacy



Original Color
44, 53.435, 126.566

Protanomaly
43, 46.279, 108.385

Deuteranomaly
43, 41.876, 102.044

Tritanomaly
44, 21.941, 147.564

Monochromacy



Original Color
44, 53.435, 126.566

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 21.737, 127.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 53.435, 126.566 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(69, 116, 23)` looks like.

```
.text, #text, p{  
    color:rgb(69, 116, 23)  
}
```

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(69, 116, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 116, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 53.435, 126.566 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(69, 116, 23) }
```

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

```
.border{ border-color:rgb(69, 116, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 116, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 116, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 116, 23);  
box-shadow:4px 4px 4px 4px rgb(69, 116,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 53.435, 126.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 116, 23) }
```

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

```
.background{ background-color: rgb(69, 116,  
23) }
```

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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