

Converting Colors

CIELCh(44, 35.921, 99.806)

Have a look what the booklet for
CIELCh(44, 35.921, 99.806) contains.

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Color

CIELCh(44, 36.004, 100.335)

Conversions

Conversions Part 1

Format	Color
Hex	706A2B
RGB	112, 106, 43
RGB Percent	44%, 42%, 17%
CMY	0.5621, 0.5855, 0.8326
CMYK	0.00, 0.05, 0.62, 0.56
HSL	55°, 45%, 30%
HSV	55°, 62%, 44%
XYZ	12.1917, 13.8382, 4.2849
YIQ	100.6120, 23.7990, -18.3210

Conversions

Conversions Part 2

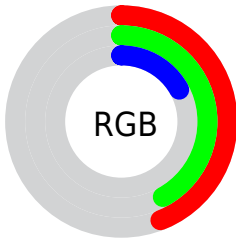
Format	Color
RYB	50, 112, 43
Decimal	7367211
CIELab	44.00, -6.46, 35.42
CIElCh	44, 36.004, 100.335
Yxy	13.8382, 0.4022, 0.4565
Android (android.graphics.Color)	4285557291 (0xFF706A2B)
YUV	100.6120, -28.4027, 9.9873
Hunter-Lab	37.1997, -6.5986, 19.2104

Details

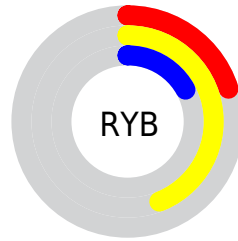
The CIELCh color **44, 36.004, 100.335** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 41.688, 296.122**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 36.123, 99.970**, and **24, 33.424, 100.331** is the 20% darker color. If you saturate the color by 10%, you get **44, 40.818, 99.433**, and if you desaturate by 10%, it is **44, 30.653, 101.294**.

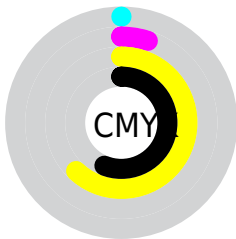
Distribution



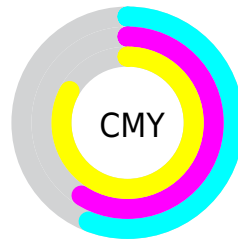
- Red (44%)
- Green (42%)
- Blue (17%)



- Red (20%)
- Yellow (44%)
- Blue (17%)



- Cyan (0%)
- Magenta (5%)
- Yellow (62%)
- Black (56%)





- Cyan (56%)
- Magenta (59%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 36.004, 100.335 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, 36.004, 100.335 by changing the saturation by 10% instead.


 44, 36.004,
100.335


 44, 36.004,
100.335


 100, 36.004,
100.335


 34, 36.004,
100.335

 64, 36.004,
100.335


 24, 36.004,
100.335

 74, 36.004,
100.335

 14, 36.004,
100.335

 84, 36.004,
100.335

 4, 36.004, 100.335

 94, 36.004,
100.335

 0, 36.004, 100.335

 44, 36.004,

 44, 36.004,

100.335

■ 44, 40.818, 99.433

■ 43, 44.810, 98.599

■ 43, 47.668, 97.846

■ 43, 49.693, 97.263

100.335

■ 44, 30.653,
101.294

■ 45, 24.970,
102.282

■ 45, 19.095,
103.286

■ 46, 13.118,
104.292

■ 46, 7.093, 105.284

■ 47, 1.057, 106.210

■ 48, 4.970, 287.237

■ 48, 10.972,
288.150

■ 49, 16.942,

Harmonies

Complementary

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



44, 36.004, 100.335



23, 41.688, 296.122

Rectangle

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



44, 36.004, 100.335



44, 36.004, 150.335



44, 36.004, 280.335



44, 36.004, 330.335

Sweetspot

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



44, 36.004, 100.338



59, 14.220, 104.517



28, 33.184, 19.926



31, 9.861, 104.292



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 36.004, 100.338



56, 51.528, 99.073



44, 40.872, 122.744



23, 3.404, 105.554



46, 52.243, 97.217



89, 88.941, 96.868

Inverse Universe

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



23, 41.688, 296.122



25, 63.353, 299.476



24, 45.737, 309.138



21, 3.462, 287.380



13, 71.984, 304.563



32, 126.780, 305.432

Previews

White Background



This preview shows how the CIELCh color 44, 36.004, 100.335 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, 36.004, 100.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

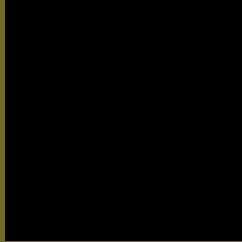
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 36.004, 100.335

Background



This preview shows how black text looks on a background with the CIELCh color 44, 36.004, 100.335.



This preview shows how white text looks on a background with the CIELCh color 44, 36.004, 100.335.

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, 36.004, 100.335

Protanopia

44, 35.966, 95.608

Deuteranopia

44, 35.115, 80.611



Tritanopia
44, 8.884, 348.049

Trichromacy



Original Color
44, 36.004, 100.335

Protanomaly
44, 36.197, 97.987

Deuteranomaly
44, 34.890, 87.253

Tritanomaly
44, 11.976, 77.170

Monochromacy



Original Color
44, 36.004, 100.335

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 13.751, 104.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 36.004, 100.335 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(112, 106, 43)` looks like.

```
.text, #text, p{  
    color:rgb(112, 106, 43)  
}
```

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(112, 106, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 106, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 36.004, 100.335 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(112, 106, 43) }
```

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

```
.border{ border-color:rgb(112, 106, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 106, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 106, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 106, 43);  
box-shadow:4px 4px 4px 4px rgb(112, 106,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 36.004, 100.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 106, 43) }
```

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

```
.background{ background-color: rgb(112,  
106, 43) }
```

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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