

Converting Colors

CIELCh(44, 67.561, 287.158)

Have a look what the booklet for
CIELCh(44, 67.561, 287.158)
contains.

CIELCh(44, 67.632, 287.363)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 67.632, 287.363)

Conversions

Conversions Part 1

Format	Color
Hex	0064D5
RGB	0, 100, 213
RGB Percent	0%, 39%, 84%
CMY	1.0000, 0.6089, 0.1660
CMYK	1.00, 0.53, 0.00, 0.17
HSL	212°, 100%, 42%
HSV	212°, 100%, 83%
XYZ	16.4787, 13.8382, 64.5337
YIQ	82.9820, -95.8730, 13.9430

Conversions

Conversions Part 2

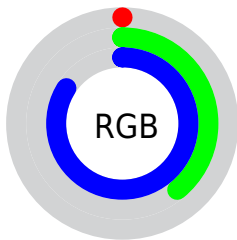
Format	Color
RYB	0, 68, 213
Decimal	25813
CIELab	44.00, 20.18, -64.55
CIElCh	44, 67.632, 287.363
Yxy	13.8382, 0.1737, 0.1459
Android (android.graphics.Color)	4278215893 (0xFF0064D5)
YUV	82.9820, 64.0989, -72.7752
Hunter-Lab	37.1997, 13.9724, -76.8158

Details

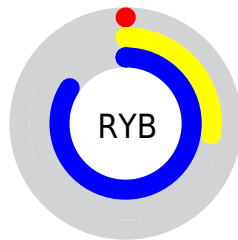
The CIELCh color **44, 67.632, 287.363** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **58, 73.578, 62.837**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 59.050, 284.675**, and **27, 65.368, 295.144** is the 20% darker color. If you saturate the color by 10%, you get **44, 67.623, 287.409**, and if you desaturate by 10%, it is **47, 60.617, 283.079**.

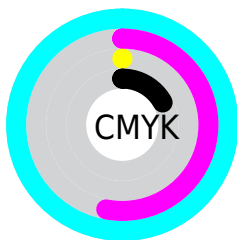
Distribution



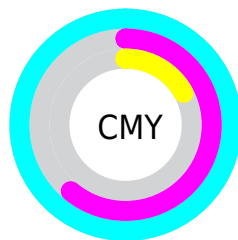
- Red (0%)
- Green (39%)
- Blue (84%)



- Red (0%)
- Yellow (27%)
- Blue (84%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (61%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 67.632, 287.363 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, 67.632, 287.363 by changing the saturation by 10% instead.

 44, 67.632,
287.363

 44, 67.632,
287.363

 100, 67.632,
287.363

 34, 67.632,
287.363

 64, 67.632,
287.363


 24, 67.632,
287.363

 74, 67.632,
287.363

 14, 67.632,
287.363


 84, 67.632,
287.363

 4, 67.632, 287.363

 94, 67.632,
287.363

 0, 67.632, 287.363

 44, 67.632,

 44, 67.632,

287.363

287.363

■ 44, 67.623,
287.409

■ 47, 60.617,
283.079

■ 51, 53.829,
278.794

■ 55, 47.179,
274.837

■ 59, 40.584,
271.320

■ 63, 33.972,
268.274

■ 67, 27.302,
265.677

■ 72, 20.561,
263.482

■ 76, 13.753,
261.635

Harmonies

Complementary

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



44, 67.632, 287.363



58, 73.578, 62.837

Rectangle

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



44, 67.632, 287.363



44, 67.632, 337.363



44, 67.632, 107.363



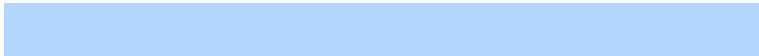
44, 67.632, 157.363

Sweetspot

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



44, 67.623, 287.409



84, 23.821, 263.545



75, 76.676, 149.763



43, 16.224, 264.439



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 67.623, 287.409



52, 78.388, 287.889



26, 116.609, 306.328



43, 3.937, 260.012



35, 56.555, 286.703



6, 17.970, 275.711

Inverse Universe

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



46, 73.635, 5.458



55, 84.428, 5.996



82, 84.531, 103.895



42, 5.417, 346.122



36, 62.578, 4.686



5, 23.237, 356.332

Previews

White Background



This preview shows how the CIE LCh color 44, 67.632, 287.363 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 44, 67.632, 287.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

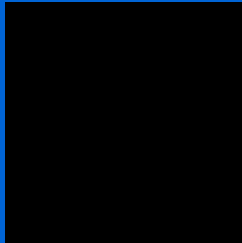
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

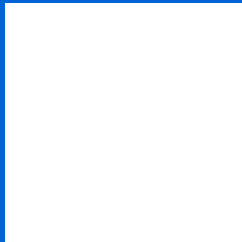
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 67.632, 287.363

Background



This preview shows how black text looks on a background with the CIELCh color 44, 67.632, 287.363.



This preview shows how white text looks on a background with the CIELCh color 44, 67.632, 287.363.

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, 67.632, 287.363

Protanopia

44, 67.632, 287.363

Deuteranopia

44, 47.875, 275.082



Tritanopia
44, 27.004, 205.648

Trichromacy



Original Color
44, 67.632, 287.363

Protanomaly
44, 67.632, 287.363

Deuteranomaly
44, 54.825, 280.466

Tritanomaly
43, 33.388, 254.762

Monochromacy



Original Color
44, 67.632, 287.363

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 26.902, 270.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 67.632, 287.363 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(0, 100, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 213)  
}
```

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(0, 100, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 67.632, 287.363 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(0, 100, 213) }
```

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

```
.border{ border-color:rgb(0, 100, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 67.632, 287.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 213) }
```

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

```
.background{ background-color: rgb(0, 100,  
213) }
```

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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