

Converting Colors

CIELCh(52, 44.536, 268.122)

Have a look what the booklet for
CIELCh(52, 44.536, 268.122)
contains.

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Color

CIELCh(52, 44.421, 267.970)

Conversions

Conversions Part 1

Format	Color
Hex	2081C8
RGB	32, 129, 200
RGB Percent	13%, 51%, 78%
CMY	0.8753, 0.4945, 0.2161
CMYK	0.84, 0.36, 0.00, 0.22
HSL	205°, 73%, 45%
HSV	205°, 84%, 78%
XYZ	18.8399, 20.1443, 57.4741
YIQ	108.0910, -80.6030, 1.5170

Conversions

Conversions Part 2

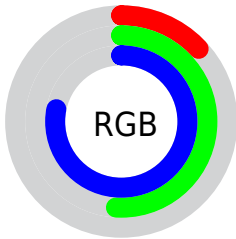
Format	Color
R_{YB}	32, 93, 200
Decimal	2130376
CIE _{Lab}	52.00, -1.57, -44.39
CIE _{LCh}	52, 44.421, 267.970
Yxy	20.1443, 0.1953, 0.2088
Android (android.graphics.Color)	4280320456 (0xFF2081C8)
YUV	108.0910, 45.3111, -66.7318
Hunter-Lab	44.8824, -3.6170, -44.5060

Details

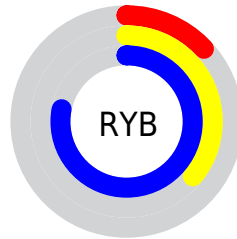
The CIELCh color **52, 44.421, 267.970** is a dark color, and the websafe version is hex **006699**. The color can be described as dark muted azure. A complement of this color would be **54, 63.774, 57.602**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 43.251, 266.540**, and **34, 42.513, 277.968** is the 20% darker color. If you saturate the color by 10%, you get **49, 48.862, 272.765**, and if you desaturate by 10%, it is **55, 39.953, 263.623**.

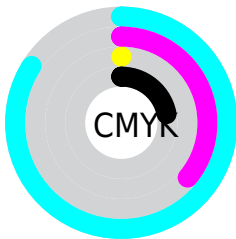
Distribution



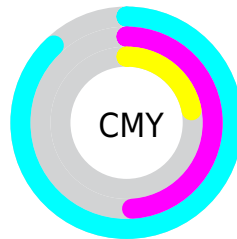
- Red (13%)
- Green (51%)
- Blue (78%)



- Red (13%)
- Yellow (36%)
- Blue (78%)



- Cyan (84%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (88%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 44.421, 267.970 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 52, 44.421, 267.970 by changing the saturation by 10% instead.

■ 52, 44.421,
267.970

■ 52, 44.421,
267.970

■ 100, 44.421,
267.970

■ 42, 44.421,
267.970

■ 72, 44.421,
267.970

■ 32, 44.421,
267.970

■ 82, 44.421,
267.970

■ 22, 44.421,
267.970

■ 92, 44.421,
267.970

■ 12, 44.421,
267.970

■ 2, 44.421, 267.970

■ 0, 44.421, 267.970

■ 52, 44.421,
267.970

■ 52, 44.421,
267.970

■ 49, 48.862,
272.765

■ 55, 39.953,
263.623

■ 48, 51.565,
275.611

■ 58, 35.333,
259.828

■ 61, 30.479,
256.603

■ 65, 25.355,
253.909

■ 68, 19.964,
251.679

■ 72, 14.331,
249.842

■ 75, 8.495, 248.338

■ 79, 2.496, 247.195

Harmonies

Complementary

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



52, 44.421, 267.970



54, 63.774, 57.602

Rectangle

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



52, 44.421, 267.970



52, 44.421, 317.970



52, 44.421, 87.970



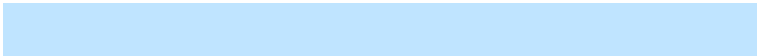
52, 44.421, 137.970

Sweetspot

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



52, 44.420, 267.971



89, 18.090, 250.056



71, 72.270, 148.582



46, 12.275, 250.686



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 44.420, 267.971



60, 62.720, 276.379



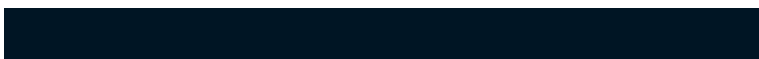
30, 94.145, 302.475



40, 3.425, 247.739



39, 43.803, 274.818



6, 12.806, 262.490

Inverse Universe

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



45, 69.792, 350.425



55, 86.314, 355.593



74, 71.873, 98.301



39, 5.486, 340.373



35, 62.101, 354.503



4, 18.727, 348.185

Previews

White Background



This preview shows how the CIE LCh color 52, 44.421, 267.970 looks on a white 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

Black Background



This preview shows how the CIE LCh color 52, 44.421, 267.970 looks on a black 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

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

CIELCh 52, 44.421, 267.970

Background



This preview shows how black text looks on a background with the CIELCh color 52, 44.421, 267.970.



This preview shows how white text looks on a background with the CIELCh color 52, 44.421, 267.970.

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





Tritanopia
52, 30.517, 207.753

Trichromacy



Original Color
52, 44.421, 267.970

Protanomaly
52, 43.028, 277.324

Deuteranomaly
52, 45.265, 274.689

Tritanomaly
52, 31.324, 234.247

Monochromacy



Original Color
52, 44.421, 267.970

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.587, 251.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 44.421, 267.970 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(32, 129, 200)` looks like.

```
.text, #text, p{  
    color:rgb(32, 129, 200)  
}
```

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(32, 129, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 129, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 44.421, 267.970 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(32, 129, 200) }
```

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

```
.border{ border-color:rgb(32, 129, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 129, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 129, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 129, 200);  
box-shadow:4px 4px 4px 4px rgb(32, 129,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 44.421, 267.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 129, 200) }
```

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

```
.background{ background-color: rgb(32, 129,  
200) }
```

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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