

Converting Colors

CIELCh(52, 42.794, 267.636)

Have a look what the booklet for
CIELCh(52, 42.794, 267.636)
contains.

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Color

CIELCh(52, 42.667, 267.523)

Conversions

Conversions Part 1

Format	Color
Hex	2981C5
RGB	41, 129, 197
RGB Percent	16%, 51%, 77%
CMY	0.8404, 0.4948, 0.2282
CMYK	0.79, 0.35, 0.00, 0.23
HSL	206°, 66%, 47%
HSV	206°, 79%, 77%
XYZ	18.7875, 20.1443, 55.6108
YIQ	110.4400, -74.2760, 2.4920

Conversions

Conversions Part 2

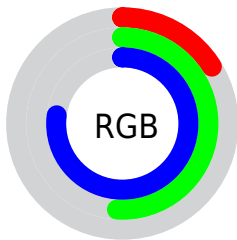
Format	Color
R_{YB}	41, 97, 197
Decimal	2720197
CIE _{Lab}	52.00, -1.84, -42.63
CIE _{LCh}	52, 42.667, 267.523
Y _{xy}	20.1443, 0.1987, 0.2131
Android (android.graphics.Color)	4280910277 (0xFF2981C5)
YUV	110.4400, 42.6741, -60.8989
Hunter-Lab	44.8824, -3.8254, -42.0445

Details

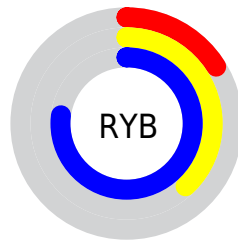
The CIELCh color **52, 42.667, 267.523** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **55, 59.077, 59.398**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 42.479, 267.104**, and **33, 40.851, 276.498** is the 20% darker color. If you saturate the color by 10%, you get **49, 47.280, 272.091**, and if you desaturate by 10%, it is **55, 37.993, 263.445**.

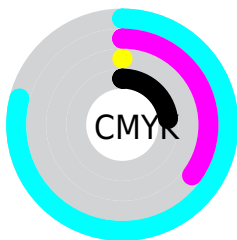
Distribution



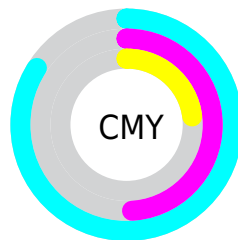
- Red (16%)
- Green (51%)
- Blue (77%)



- Red (16%)
- Yellow (38%)
- Blue (77%)



- Cyan (79%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)





- Cyan (84%)
- Magenta (49%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 42.667, 267.523 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, 42.667, 267.523 by changing the saturation by 10% instead.


 52, 42.667,
267.523


 52, 42.667,
267.523


 100, 42.667,
267.523


 42, 42.667,
267.523


 72, 42.667,
267.523

 32, 42.667,
267.523

 82, 42.667,
267.523

 22, 42.667,
267.523

 92, 42.667,
267.523

 12, 42.667,
267.523

 2, 42.667, 267.523

 0, 42.667, 267.523

■ 52, 42.667,
267.523

■ 52, 42.667,
267.523

■ 49, 47.280,
272.091

■ 55, 37.993,
263.445

■ 46, 51.988,
276.889

■ 58, 33.156,
259.919

■ 46, 52.320,
277.201

■ 62, 28.095,
256.939

■ 65, 22.792,
254.452

■ 69, 17.257,
252.392

■ 72, 11.521,
250.692

■ 76, 5.620, 249.308

■ 80, 0.409, 67.039

Harmonies

Complementary

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



52, 42.667, 267.523



55, 59.077, 59.398

Rectangle

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



52, 42.667, 267.523



52, 42.667, 317.523



52, 42.667, 87.523



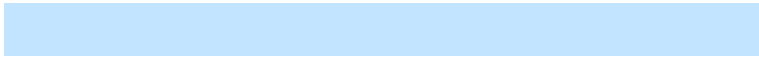
52, 42.667, 137.523

Sweetspot

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



52, 42.666, 267.524



89, 17.552, 251.510



70, 67.482, 150.290



46, 11.999, 252.147



0, 0.000, 0.000



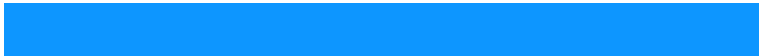
53, 0.007, 296.813

Same Dimension

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



52, 42.666, 267.524



61, 61.510, 275.564



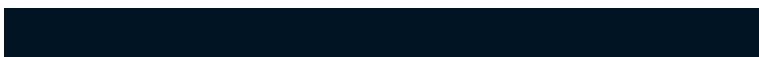
31, 89.274, 301.861



40, 3.450, 249.317



38, 44.985, 276.473



6, 13.002, 263.982

Inverse Universe

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



46, 66.905, 350.217



56, 85.733, 355.043



74, 69.572, 99.690



39, 5.436, 341.022



35, 61.794, 355.661



4, 18.564, 349.004

Previews

White Background



This preview shows how the CIE LCh color 52, 42.667, 267.523 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 CIELCh color 52, 42.667, 267.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

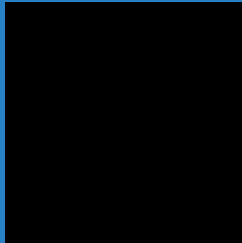
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 42.667, 267.523

Background



This preview shows how black text looks on a background with the CIELCh color 52, 42.667, 267.523.

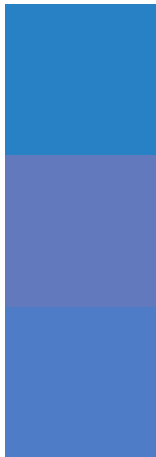


This preview shows how white text looks on a background with the CIELCh color 52, 42.667, 267.523.

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

52, 42.667, 267.523

Protanopia

52, 40.301, 285.441

Deuteranopia

52, 43.811, 279.602



Tritanopia
52, 30.517, 207.753

Trichromacy



Original Color
52, 42.667, 267.523

Protanomaly
52, 40.706, 276.908

Deuteranomaly
52, 43.440, 274.715

Tritanomaly
52, 30.995, 233.336

Monochromacy



Original Color
52, 42.667, 267.523

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 17.886, 254.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 42.667, 267.523 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(41, 129, 197)` looks like.

```
.text, #text, p{  
    color:rgb(41, 129, 197)  
}
```

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(41, 129, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 129, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 42.667, 267.523 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(41, 129, 197) }
```

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

```
.border{ border-color:rgb(41, 129, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 129, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 129, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 129, 197);  
box-shadow:4px 4px 4px 4px rgb(41, 129,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 42.667, 267.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 129, 197) }
```

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

```
.background{ background-color: rgb(41, 129,  
197) }
```

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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