

Converting Colors

CIELCh(52, 65.945, 286.340)

Have a look what the booklet for
CIELCh(52, 65.945, 286.340)
contains.

CIELCh(52, 65.773, 286.284)	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(52, 65.773, 286.284)

Conversions

Conversions Part 1

Format	Color
Hex	3678E9
RGB	54, 120, 233
RGB Percent	21%, 47%, 91%
CMY	0.7873, 0.5289, 0.0857
CMYK	0.77, 0.48, 0.00, 0.09
HSL	218°, 80%, 56%
HSV	218°, 77%, 91%
XYZ	22.9930, 20.1443, 79.8739
YIQ	113.1480, -75.6090, 21.1510

Conversions

Conversions Part 2

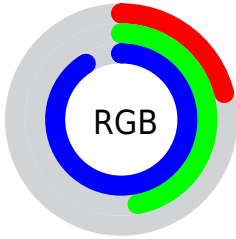
Format	Color
R_{YB}	54, 102, 233
Decimal	3569897
CIE _{Lab}	52.00, 18.44, -63.13
CIE _{LCh}	52, 65.773, 286.284
Yxy	20.1443, 0.1869, 0.1638
Android (android.graphics.Color)	4281759977 (0xFF3678E9)
YUV	113.1480, 59.0870, -51.8728
Hunter-Lab	44.8824, 12.9002, -74.0963

Details

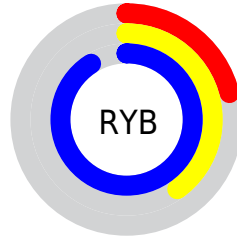
The CIELCh color `52, 65.773, 286.284` is a dark color, and the websafe version is hex `3366CC`. The color can be described as middle washed azure. A complement of this color would be `73, 65.860, 77.235`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `70, 46.472, 278.518`, and `34, 64.187, 291.203` is the 20% darker color. If you saturate the color by 10%, you get `47, 75.100, 290.085`, and if you desaturate by 10%, it is `57, 56.686, 282.739`.

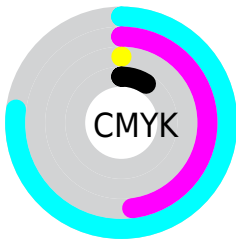
Distribution



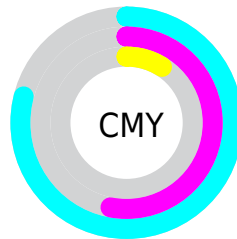
- Red (21%)
- Green (47%)
- Blue (91%)



- Red (21%)
- Yellow (40%)
- Blue (91%)



- Cyan (77%)
- Magenta (48%)
- Yellow (0%)
- Black (9%)




- Cyan (79%)
- Magenta (53%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 65.773, 286.284 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, 65.773, 286.284 by changing the saturation by 10% instead.


 52, 65.773,
286.284


 52, 65.773,
286.284


 100, 65.773,
286.284


 42, 65.773,
286.284


 72, 65.773,
286.284

 32, 65.773,
286.284

 82, 65.773,
286.284

 22, 65.773,
286.284

 92, 65.773,
286.284

 12, 65.773,
286.284

 2, 65.773, 286.284

 0, 65.773, 286.284

■ 52, 65.773,
286.284

■ 52, 65.773,
286.284

■ 47, 75.100,
290.085

■ 57, 56.686,
282.739

■ 43, 84.580,
293.934

■ 62, 47.823,
279.557

■ 42, 87.682,
295.110

■ 67, 39.137,
276.777

■ 72, 30.584,
274.387

■ 78, 22.136,
272.348

■ 83, 13.783,
270.616

■ 89, 5.521, 269.162

■ 94, 2.645, 87.720

Harmonies

Complementary

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



52, 65.773, 286.284



73, 65.860, 77.235

Rectangle

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



52, 65.773, 286.284



52, 65.773, 336.284



52, 65.773, 106.284



52, 65.773, 156.284

Sweetspot

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



52, 65.773, 286.285



87, 20.438, 271.687



83, 63.017, 160.496



44, 14.174, 272.350



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, 65.773, 286.285



49, 86.157, 292.296



38, 104.752, 304.752



46, 4.685, 269.530



33, 71.309, 294.470



7, 25.614, 287.105

Inverse Universe

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



53, 70.902, 4.894



55, 83.323, 11.663



88, 82.374, 109.628



46, 5.488, 352.234



38, 66.039, 14.645



7, 27.867, 5.077

Previews

White Background



This preview shows how the CIELCh color 52, 65.773, 286.284 looks on a white background.

Color Contrast Check

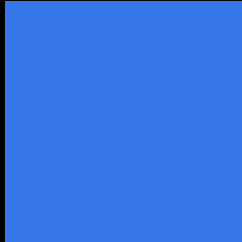
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.773, 286.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

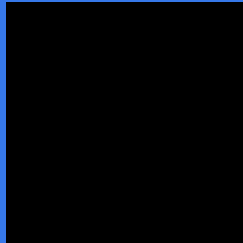
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

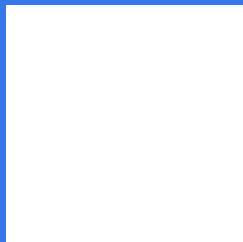
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 65.773, 286.284

Background



This preview shows how black text looks on a background with the CIELCh color 52, 65.773, 286.284.



This preview shows how white text looks on a background with the CIELCh color 52, 65.773, 286.284.

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, 65.773, 286.284

Protanopia

52, 65.667, 287.396

Deuteranopia

52, 56.779, 276.897



Tritanopia
52, 30.517, 207.753

Trichromacy



Original Color
52, 65.773, 286.284

Protanomaly
52, 65.729, 287.046

Deuteranomaly
52, 59.758, 279.909

Tritanomaly
51, 34.912, 250.195

Monochromacy



Original Color
52, 65.773, 286.284

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 25.004, 275.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 65.773, 286.284 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(54, 120, 233)` looks like.

```
.text, #text, p{  
    color:rgb(54, 120, 233)  
}
```

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(54, 120, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 120, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 65.773, 286.284 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(54, 120, 233) }
```

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

```
.border{ border-color:rgb(54, 120, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 120, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 120, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 120, 233);  
box-shadow:4px 4px 4px 4px rgb(54, 120,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 65.773, 286.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 120, 233) }
```

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

```
.background{ background-color: rgb(54, 120,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor