

Converting Colors

CIELCh(52, 70.003, 286.738)

Have a look what the booklet for
CIELCh(52, 70.003, 286.738)
contains.

CIELCh(52, 69.755, 286.592)	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, 69.755, 286.592)

Conversions

Conversions Part 1

Format	Color
Hex	2A78F0
RGB	42, 120, 240
RGB Percent	16%, 47%, 94%
CMY	0.8370, 0.5302, 0.0597
CMYK	0.83, 0.50, 0.00, 0.06
HSL	216°, 87%, 55%
HSV	216°, 83%, 94%
XYZ	23.3214, 20.1443, 84.9131
YIQ	110.3580, -85.0080, 20.7840

Conversions

Conversions Part 2

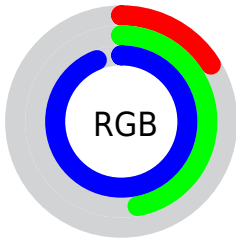
Format	Color
R _Y B	42, 98, 240
Decimal	2783472
CIE Lab	52.00, 19.92, -66.85
CIE LCh	52, 69.755, 286.592
Yxy	20.1443, 0.1817, 0.1569
Android (android.graphics.Color)	4280973552 (0xFF2A78F0)
YUV	110.3580, 63.9135, -59.9500
Hunter-Lab	44.8824, 14.2062, -80.7530

Details

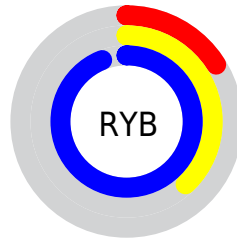
The CIELCh color `52, 69.755, 286.592` is a dark color, and the websafe version is hex `3366CC`. The color can be described as middle washed azure. A complement of this color would be `72, 71.178, 73.700`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `70, 46.744, 277.132`, and `34, 68.199, 292.465` is the 20% darker color. If you saturate the color by 10%, you get `48, 78.886, 290.599`, and if you desaturate by 10%, it is `57, 60.849, 282.764`.

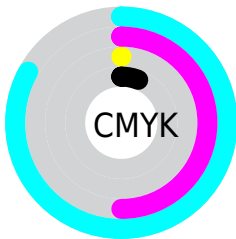
Distribution



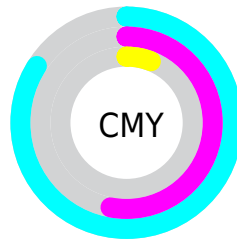
- Red (16%)
- Green (47%)
- Blue (94%)



- Red (16%)
- Yellow (38%)
- Blue (94%)



- Cyan (83%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)





- Cyan (84%)
- Magenta (53%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 69.755, 286.592 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, 69.755, 286.592 by changing the saturation by 10% instead.


 52, 69.755,
286.592


 52, 69.755,
286.592


 100, 69.755,
286.592


 42, 69.755,
286.592


 72, 69.755,
286.592

 32, 69.755,
286.592

 82, 69.755,
286.592

 22, 69.755,
286.592

 92, 69.755,
286.592

 12, 69.755,
286.592

 2, 69.755, 286.592

 0, 69.755, 286.592

■ 52, 69.755,
286.592

■ 52, 69.755,
286.592

■ 48, 78.886,
290.599

■ 57, 60.849,
282.764

■ 45, 85.680,
293.457

■ 62, 52.161,
279.271

■ 67, 43.636,
276.187

■ 72, 35.220,
273.522

■ 77, 26.875,
271.245

■ 82, 18.587,
269.311

■ 88, 10.352,
267.675

■ 93, 2.178, 266.385

Harmonies

Complementary

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



52, 69.755, 286.592



72, 71.178, 73.700

Rectangle

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



52, 69.755, 286.592



52, 69.755, 336.592



52, 69.755, 106.592



52, 69.755, 156.592

Sweetspot

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



52, 69.755, 286.593



86, 21.567, 269.749



85, 68.837, 158.230



44, 14.731, 270.421



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, 69.755, 286.593



48, 89.113, 293.221



36, 114.488, 305.347



47, 4.638, 267.212



34, 68.890, 292.764



8, 25.678, 286.050

Inverse Universe

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



53, 75.770, 4.960



54, 84.843, 12.820



91, 87.661, 108.690



47, 5.673, 350.556



39, 66.325, 12.153



8, 28.826, 3.857

Previews

White Background



This preview shows how the CIE LCh color 52, 69.755, 286.592 looks on a white background.

Color Contrast Check

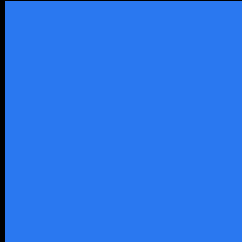
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.755, 286.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

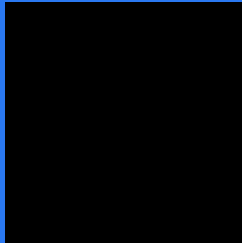
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

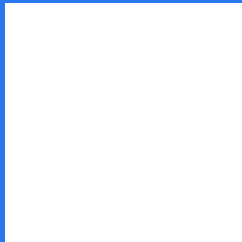
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 69.755, 286.592

Background



This preview shows how black text looks on a background with the CIELCh color 52, 69.755, 286.592.



This preview shows how white text looks on a background with the CIELCh color 52, 69.755, 286.592.

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, 69.755, 286.592

Protanopia

52, 69.655, 287.611

Deuteranopia

52, 55.761, 276.215



Tritanopia
52, 30.574, 206.586

Trichromacy



Original Color
52, 69.755, 286.592

Protanomaly
52, 69.722, 287.262

Deuteranomaly
52, 60.855, 280.272

Tritanomaly
51, 35.796, 251.478

Monochromacy



Original Color
52, 69.755, 286.592

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 26.559, 273.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 69.755, 286.592 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(42, 120, 240)` looks like.

```
.text, #text, p{  
    color:rgb(42, 120, 240)  
}
```

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(42, 120, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 120, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 69.755, 286.592 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(42, 120, 240) }
```

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

```
.border{ border-color:rgb(42, 120, 240) }
```

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

Here you see how a box with a 4 pixel rgb(42, 120, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 120, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 120, 240);  
box-shadow:4px 4px 4px 4px rgb(42, 120,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 69.755, 286.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 120, 240) }
```

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

```
.background{ background-color: rgb(42, 120,  
240) }
```

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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