

Converting Colors

CIELCh(41, 56.978, 287.781)

Have a look what the booklet for
CIELCh(41, 56.978, 287.781)
contains.

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Color

CIELCh(41, 56.998, 287.647)

Conversions

Conversions Part 1

Format	Color
Hex	2B5DBB
RGB	43, 93, 187
RGB Percent	17%, 36%, 73%
CMY	0.8297, 0.6366, 0.2682
CMYK	0.77, 0.50, 0.00, 0.27
HSL	219°, 62%, 45%
HSV	219°, 77%, 73%
XYZ	13.8274, 11.8645, 48.3574
YIQ	88.7660, -59.9740, 18.6340

Conversions

Conversions Part 2

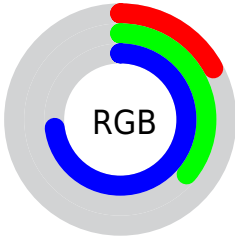
Format	Color
R_{YB}	43, 80, 187
Decimal	2842043
CIE _{Lab}	41.00, 17.28, -54.32
CIE _{LCh}	41, 56.998, 287.647
Yxy	11.8645, 0.1867, 0.1602
Android (android.graphics.Color)	4281032123 (0xFF2B5DBB)
YUV	88.7660, 48.4294, -40.1368
Hunter-Lab	34.4449, 11.3775, -59.1260

Details

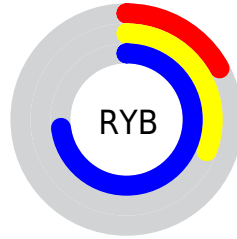
The CIELCh color $41, 56.998, 287.647$ is a dark color, and the websafe version is hex $3366CC$. A complement of this color would be $61, 55.505, 79.564$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 56.902, 287.506$, and $23, 56.020, 293.906$ is the 20% darker color. If you saturate the color by 10%, you get $37, 65.157, 291.271$, and if you desaturate by 10%, it is $45, 49.042, 284.262$.

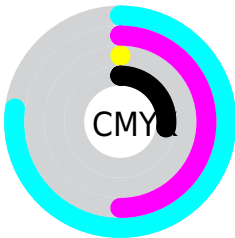
Distribution



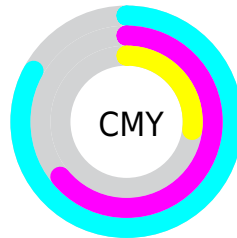
- Red (17%)
- Green (36%)
- Blue (73%)



- Red (17%)
- Yellow (31%)
- Blue (73%)



- Cyan (77%)
- Magenta (50%)
- Yellow (0%)
- Black (27%)





- Cyan (83%)
- Magenta (64%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 56.998, 287.647 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 41, 56.998, 287.647 by changing the saturation by 10% instead.


 41, 56.998,
287.647


 41, 56.998,
287.647


 100, 56.998,
287.647


 31, 56.998,
287.647

 61, 56.998,
287.647


 21, 56.998,
287.647

 71, 56.998,
287.647

 11, 56.998,
287.647

 81, 56.998,
287.647

 1, 56.998, 287.647

 91, 56.998,
287.647

 0, 56.998, 287.647

 41, 56.998,

 41, 56.998,

287.647

287.647

■ 37, 65.157,
291.271

■ 45, 49.042,
284.262

■ 33, 73.416,
294.927

■ 50, 41.297,
281.216

■ 32, 76.118,
296.028

■ 54, 33.730,
278.548

■ 59, 26.307,
276.246

■ 63, 19.006,
274.275

■ 68, 11.812,
272.595

■ 73, 4.720, 271.178

■ 77, 2.269, 89.779

Harmonies

Complementary

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



41, 56.998, 287.647



61, 55.505, 79.564

Rectangle

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



41, 56.998, 287.647



41, 56.998, 337.647



41, 56.998, 107.647



41, 56.998, 157.647

Sweetspot

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



41, 56.998, 287.648



82, 20.170, 273.682



68, 51.032, 162.898



42, 14.110, 274.327



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 56.998, 287.648



46, 86.056, 293.766



31, 87.245, 305.105



37, 4.019, 271.524



27, 66.441, 295.549



3, 13.349, 278.310

Inverse Universe

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



43, 59.361, 6.507



52, 80.444, 13.776



72, 69.374, 111.332



37, 4.523, 353.803



33, 60.068, 16.323



3, 13.020, 0.376

Previews

White Background



This preview shows how the CIE LCh color 41, 56.998, 287.647 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 CIELCh color 41, 56.998, 287.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

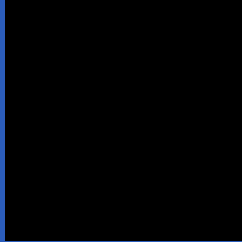
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 56.998, 287.647

Background



This preview shows how black text looks on a background with the CIELCh color 41, 56.998, 287.647.



This preview shows how white text looks on a background with the CIELCh color 41, 56.998, 287.647.

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

41, 57.018, 287.517

Protanopia

41, 57.076, 287.143

Deuteranopia

41, 46.432, 276.039



Tritanopia
41, 25.624, 206.278

Trichromacy



Original Color
41, 57.018, 287.517

Protanomaly
41, 57.057, 287.265

Deuteranomaly
41, 50.076, 280.268

Tritanomaly
40, 29.228, 250.941

Monochromacy



Original Color
41, 57.018, 287.517

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 21.509, 276.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 56.998, 287.647 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(43, 93, 187)` looks like.

```
.text, #text, p{  
    color:rgb(43, 93, 187)  
}
```

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(43, 93, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 93, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 56.998, 287.647 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(43, 93, 187) }
```

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

```
.border{ border-color:rgb(43, 93, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 93, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 93, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 93, 187);  
box-shadow:4px 4px 4px 4px rgb(43, 93,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 56.998, 287.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 93, 187) }
```

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

```
.background{ background-color: rgb(43, 93,  
187) }
```

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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