

Converting Colors

CIELCh(41, 22.558, 255.668)

Have a look what the booklet for
CIELCh(41, 22.558, 255.668)
contains.

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Color

CIELCh(41, 22.559, 255.668)

Conversions

Conversions Part 1

Format	Color
Hex	396584
RGB	57, 101, 132
RGB Percent	22%, 40%, 52%
CMY	0.7761, 0.6036, 0.4820
CMYK	0.57, 0.23, 0.00, 0.48
HSL	205°, 40%, 37%
HSV	205°, 57%, 52%
XYZ	10.5253, 11.8645, 23.5969
YIQ	91.3780, -36.1750, 0.3130

Conversions

Conversions Part 2

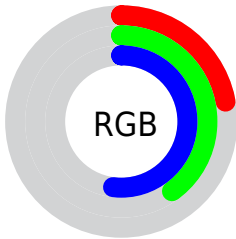
Format	Color
R_{YB}	57, 85, 132
Decimal	3761540
CIE _{Lab}	41.00, -5.58, -21.86
CIE _{LCh}	41, 22.559, 255.668
Yxy	11.8645, 0.2289, 0.2580
Android (android.graphics.Color)	4281951620 (0xFF396584)
YUV	91.3780, 20.0266, -30.1495
Hunter-Lab	34.4449, -5.7346, -16.5058

Details

The CIELCh color **41, 22.559, 255.668** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 29.125, 59.965**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 22.401, 255.259**, and **21, 21.964, 258.633** is the 20% darker color. If you saturate the color by 10%, you get **39, 25.933, 258.809**, and if you desaturate by 10%, it is **43, 18.985, 253.032**.

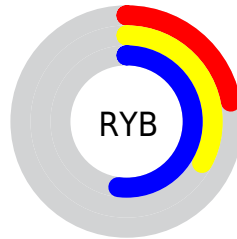
Distribution



Red (22%)

Green (40%)

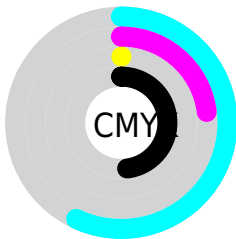
Blue (52%)



Red (22%)

Yellow (33%)

Blue (52%)

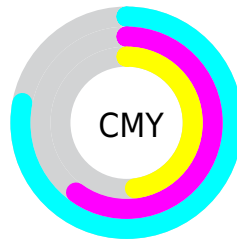


Cyan (57%)

Magenta (23%)

Yellow (0%)

Black (48%)



Cyan (78%)

Magenta (60%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 22.559, 255.668 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, 22.559, 255.668 by changing the saturation by 10% instead.

 41, 22.559,
255.668

 41, 22.559,
255.668

 100, 22.559,
255.668

 31, 22.559,
255.668

 61, 22.559,
255.668

 21, 22.559,
255.668

 71, 22.559,
255.668

 11, 22.559,
255.668

 81, 22.559,
255.668

 1, 22.559, 255.668

 91, 22.559,
255.668

 0, 22.559, 255.668

 41, 22.559,

 41, 22.559,

255.668

■ 39, 25.933,
258.809

■ 37, 29.132,
262.492

■ 34, 32.213,
266.706

■ 33, 35.280,
271.259

■ 32, 36.310,
272.637

255.668

■ 43, 18.985,
253.032

■ 46, 15.214,
250.841

■ 48, 11.263,
249.028

■ 51, 7.158, 247.536

■ 53, 2.928, 246.346

■ 56, 1.400, 64.960

■ 59, 5.800, 64.253

■ 61, 10.249, 63.533

■ 64, 14.730, 62.907

Harmonies

Complementary

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



41, 22.559, 255.668



42, 29.125, 59.965

Rectangle

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



41, 22.559, 255.668



41, 22.559, 305.668



41, 22.559, 75.668



41, 22.559, 125.668

Sweetspot

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



41, 22.558, 255.668



64, 8.944, 247.618



50, 38.388, 152.956



33, 6.016, 247.849



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



41, 22.558, 255.668



49, 32.380, 259.763



30, 42.980, 294.678



27, 2.437, 246.593



31, 35.861, 272.554



0, 0.590, 245.520

Inverse Universe

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



36, 39.006, 344.573



42, 55.256, 346.410



52, 37.837, 99.981



26, 3.941, 339.894



28, 52.993, 353.026



0, 0.936, 339.261

Previews

White Background



This preview shows how the CIELCh color 41, 22.559, 255.668 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 CIE LCh color 41, 22.559, 255.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

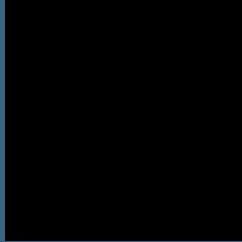
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

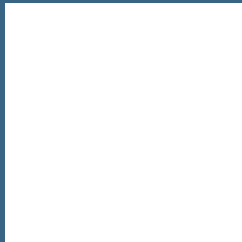
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 22.559, 255.668

Background



This preview shows how black text looks on a background with the CIELCh color 41, 22.559, 255.668.

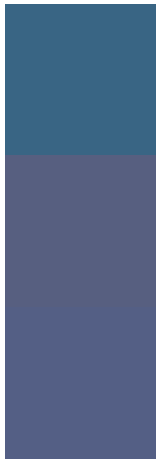


This preview shows how white text looks on a background with the CIELCh color 41, 22.559, 255.668.

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, 22.559, 255.668

Protanopia

41, 20.156, 285.060

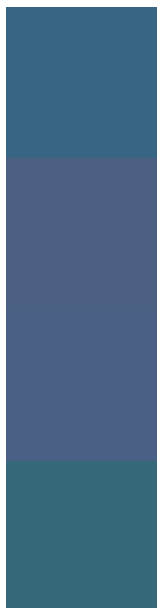
Deuteranopia

41, 23.247, 284.251



Tritanopia
41, 18.591, 212.694

Trichromacy



Original Color
41, 22.559, 255.668

Protanomaly
41, 20.402, 272.565

Deuteranomaly
41, 22.800, 273.904

Tritanomaly
41, 18.701, 229.334

Monochromacy



Original Color
41, 22.559, 255.668

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 8.936, 247.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 22.559, 255.668 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(57, 101, 132)` looks like.

```
.text, #text, p{  
    color:rgb(57, 101, 132)  
}
```

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(57, 101, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 101, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 22.559, 255.668 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(57, 101, 132) }
```

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

```
.border{ border-color:rgb(57, 101, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 101, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 101, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 101, 132);  
box-shadow:4px 4px 4px 4px rgb(57, 101,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 22.559, 255.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 101, 132) }
```

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

```
.background{ background-color: rgb(57, 101,  
132) }
```

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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