

Converting Colors

CIELCh(64, 41.289, 155.219)

Have a look what the booklet for
CIELCh(64, 41.289, 155.219)
contains.

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Color

CIELCh(64, 41.302, 155.080)

Conversions

Conversions Part 1

Format	Color
Hex	56AC7B
RGB	86, 172, 123
RGB Percent	34%, 67%, 48%
CMY	0.6637, 0.3264, 0.5185
CMYK	0.50, 0.00, 0.29, 0.33
HSL	146°, 34%, 50%
HSV	146°, 50%, 67%
XYZ	22.0809, 32.8017, 23.8307
YIQ	140.7000, -35.5270, -33.4710

Conversions

Conversions Part 2

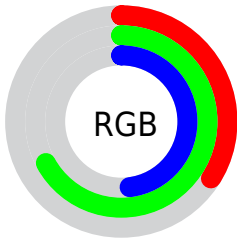
Format	Color
RYB	86, 146, 172
Decimal	5680251
CIELab	64.00, -37.46, 17.40
CIELCh	64, 41.302, 155.080
Yxy	32.8017, 0.2805, 0.4167
Android (android.graphics.Color)	4283870331 (0xFF56AC7B)
YUV	140.7000, -8.7261, -47.9719
Hunter-Lab	57.2727, -31.4085, 15.4208

Details

The CIELCh color **64, 41.302, 155.080** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **48, 42.696, 344.828**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 41.155, 155.206**, and **44, 41.295, 155.054** is the 20% darker color. If you saturate the color by 10%, you get **63, 48.586, 153.637**, and if you desaturate by 10%, it is **65, 33.514, 156.347**.

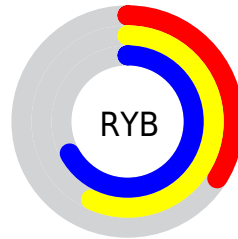
Distribution



Red (34%)

Green (67%)

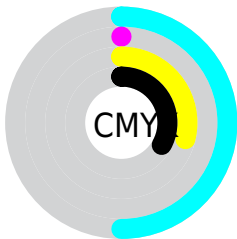
Blue (48%)



Red (34%)

Yellow (57%)

Blue (67%)

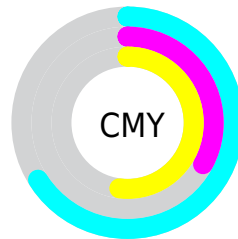


Cyan (50%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (66%)

Magenta (33%)


Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 41.302, 155.080 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 64, 41.302, 155.080 by changing the saturation by 10% instead.

 64, 41.302,
155.080


 64, 41.302,
155.080


 100, 41.302,
155.080


 54, 41.302,
155.080


 84, 41.302,
155.080

 44, 41.302,
155.080

 94, 41.302,
155.080

 34, 41.302,
155.080

 24, 41.302,
155.080

 14, 41.302,
155.080

 4, 41.302, 155.080

 0, 41.302, 155.080

■ 64, 41.302,
155.080

■ 64, 41.302,
155.080

■ 63, 48.586,
153.637

■ 65, 33.514,
156.347

■ 63, 55.231,
152.001

■ 66, 25.364,
157.462

■ 62, 61.138,
150.162

■ 67, 16.992,
158.449

■ 62, 66.262,
148.131

■ 69, 8.521, 159.340

■ 62, 70.691,
146.042

■ 70, 0.056, 166.204

■ 72, 8.323, 340.738

■ 74, 16.555,
341.395

■ 76, 24.597,
341.984

■ 78, 32.423,
342.523

Harmonies

Complementary

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



64, 41.302, 155.080



48, 42.696, 344.828

Rectangle

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



64, 41.302, 155.080



64, 41.302, 205.080



64, 41.302, 335.080



64, 41.302, 25.080

Sweetspot

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



64, 41.303, 155.080



86, 15.785, 158.886



66, 48.090, 123.704



45, 10.756, 158.703



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 41.303, 155.080



81, 60.174, 153.481



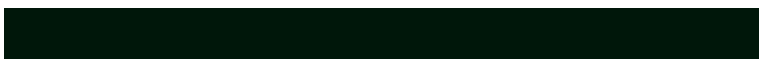
65, 28.054, 188.833



36, 4.825, 159.405



54, 63.769, 146.303



6, 10.798, 156.432

Inverse Universe

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



48, 42.696, 344.828



58, 61.906, 346.353



47, 37.876, 18.912



34, 4.870, 340.757



32, 58.382, 354.961



2, 9.537, 345.057

Previews

White Background



This preview shows how the CIELCh color 64, 41.302, 155.080 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 41.302, 155.080 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 ✓ Pass

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

CIELCh 64, 41.302, 155.080

Background



This preview shows how black text looks on a background with the CIELCh color 64, 41.302, 155.080.



This preview shows how white text looks on a background with the CIELCh color 64, 41.302, 155.080.

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
64, 41.302, 155.080

Protanopia
64, 22.078, 95.635

Deuteranopia
64, 16.874, 61.091



Tritanopia
64, 21.767, 217.414

Trichromacy



Original Color
64, 41.302, 155.080



Protanomaly
63, 25.189, 130.368



Deuteranomaly
63, 17.994, 125.261



Tritanomaly
64, 24.908, 185.558

Monochromacy



Original Color
64, 41.302, 155.080



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 16.041, 158.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 41.302, 155.080 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(86, 172, 123)` looks like.

```
.text, #text, p{  
    color:rgb(86, 172, 123)  
}
```

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(86, 172, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 172, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 41.302, 155.080 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(86, 172, 123) }
```

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

```
.border{ border-color:rgb(86, 172, 123) }
```

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

Here you see how a box with a 4 pixel rgb(86, 172, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 172, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 172, 123);  
box-shadow:4px 4px 4px 4px rgb(86, 172,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 41.302, 155.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 172, 123) }
```

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

```
.background{ background-color: rgb(86, 172,  
123) }
```

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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