

Converting Colors

CIELCh(41, 20.759, 196.973)

Have a look what the booklet for
CIELCh(41, 20.759, 196.973)
contains.

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Color

CIELCh(41, 20.800, 196.992)

Conversions

Conversions Part 1

Format	Color
Hex	2B6A6A
RGB	43, 106, 106
RGB Percent	17%, 42%, 42%
CMY	0.8313, 0.5843, 0.5843
CMYK	0.59, 0.00, 0.00, 0.58
HSL	180°, 42%, 29%
HSV	180°, 59%, 42%
XYZ	8.7536, 11.8645, 15.4669
YIQ	87.1630, -37.5480, -13.3560

Conversions

Conversions Part 2

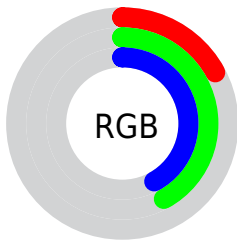
Format	Color
RYB	43, 75, 106
Decimal	2845290
CIELab	41.00, -19.89, -6.08
CIELCh	41, 20.800, 196.992
Yxy	11.8645, 0.2426, 0.3288
Android (android.graphics.Color)	4281035370 (0xFF2B6A6A)
YUV	87.1630, 9.2866, -38.7310
Hunter-Lab	34.4449, -14.9158, -2.5117

Details

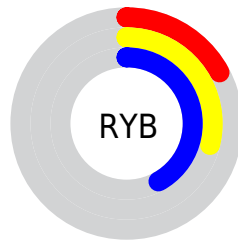
The CIELCh color **41, 20.800, 196.992** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 31.504, 26.475**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 20.997, 196.012**, and **21, 17.292, 198.701** is the 20% darker color. If you saturate the color by 10%, you get **41, 22.863, 196.760**, and if you desaturate by 10%, it is **41, 18.244, 197.280**.

Distribution



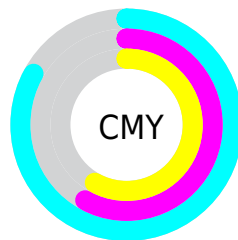
- Red (17%)
- Green (42%)
- Blue (42%)



- Red (17%)
- Yellow (29%)
- Blue (42%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)





- Cyan (83%)
- Magenta (58%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 20.800, 196.992 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, 20.800, 196.992 by changing the saturation by 10% instead.


 41, 20.800,
196.992


 41, 20.800,
196.992


 100, 20.800,
196.992


 31, 20.800,
196.992

 61, 20.800,
196.992


 21, 20.800,
196.992

 71, 20.800,
196.992

 11, 20.800,
196.992


 81, 20.800,
196.992

 1, 20.800, 196.992

 91, 20.800,
196.992

 0, 20.800, 196.992

 41, 20.800,

 41, 20.800,

196.992

196.992

■ 41, 22.863,
196.760

■ 41, 18.244,
197.280

■ 40, 24.415,
196.588

■ 42, 15.232,
197.626

■ 40, 25.467,
196.473

■ 43, 11.816,
198.027

■ 40, 26.234,
196.389

■ 43, 8.055, 198.482

■ 40, 26.278,
196.384

■ 44, 4.013, 199.006

■ 45, 0.250, 18.046

■ 46, 4.680, 19.902

■ 47, 9.227, 20.502

■ 48, 13.850, 21.092

Harmonies

Complementary

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



41, 20.800, 196.992



27, 31.504, 26.475

Rectangle

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



41, 20.800, 196.992



41, 20.800, 246.992



41, 20.800, 16.992



41, 20.800, 66.992

Sweetspot

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



41, 20.800, 196.990



56, 9.276, 198.527



40, 44.626, 139.385



28, 6.356, 198.421



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 20.800, 196.990



52, 28.308, 196.692



31, 21.374, 264.792



22, 2.415, 199.033



44, 28.237, 196.384



88, 48.590, 196.384

Inverse Universe

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



27, 31.504, 26.475



32, 47.729, 30.059



34, 25.637, 66.751



21, 2.547, 19.850



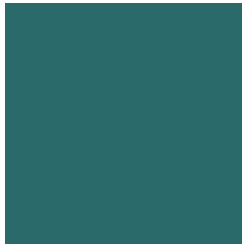
23, 56.952, 37.577



51, 101.391, 40.000

Previews

White Background



This preview shows how the CIELCh color 41, 20.800, 196.992 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, 20.800, 196.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

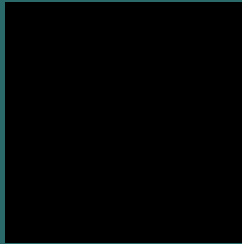
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 20.800, 196.992

Background



This preview shows how black text looks on a background with the CIELCh color 41, 20.800, 196.992.



This preview shows how white text looks on a background with the CIELCh color 41, 20.800, 196.992.

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, 20.800, 196.992

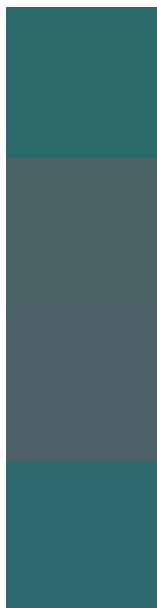
Protanopia
41, 2.473, 300.135

Deuteranopia
41, 9.469, 306.167



Tritanopia
41, 19.481, 211.891

Trichromacy



Original Color
41, 20.800, 196.992

Protanomaly
41, 8.962, 206.201

Deuteranomaly
40, 9.272, 239.991

Tritanomaly
41, 19.710, 206.148

Monochromacy



Original Color
41, 20.800, 196.992

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 9.057, 198.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 20.800, 196.992 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, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(43, 106, 106)  
}
```

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, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 106, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 20.800, 196.992 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, 106, 106) }
```

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

```
.border{ border-color:rgb(43, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(43, 106,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 20.800, 196.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 106, 106) }
```

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

```
.background{ background-color: rgb(43, 106,  
106) }
```

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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