

Converting Colors

CIELCh(20, 20.046, 280.956)

Have a look what the booklet for
CIElCh(20, 20.046, 280.956)
contains.

CIElCh(20, 20.046, 280.956)	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(20, 20.046, 280.956)

Conversions

Conversions Part 1

Format	Color
Hex	22304D
RGB	34, 48, 77
RGB Percent	13%, 19%, 30%
CMY	0.8667, 0.8118, 0.6981
CMYK	0.56, 0.38, 0.00, 0.70
HSL	220°, 39%, 22%
HSV	220°, 56%, 30%
XYZ	3.0554, 2.9891, 7.4358
YIQ	47.1200, -17.6530, 6.0510

Conversions

Conversions Part 2

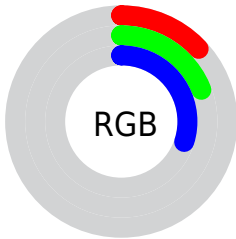
Format	Color
RYB	34, 45, 77
Decimal	2240589
CIELab	20.00, 3.81, -19.68
CIElCh	20, 20.046, 280.956
Yxy	2.9891, 0.2267, 0.2217
Android (android.graphics.Color)	4280430669 (0xFF22304D)
YUV	47.1200, 14.7308, -11.5062
Hunter-Lab	17.2889, 1.2906, -13.3979

Details

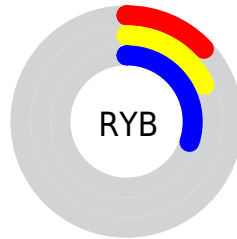
The CIELCh color **20, 20.046, 280.956** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **27, 20.021, 85.082**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 19.795, 280.809**, and **1, 19.359, 291.102** is the 20% darker color. If you saturate the color by 10%, you get **18, 23.856, 283.474**, and if you desaturate by 10%, it is **22, 16.316, 278.742**.

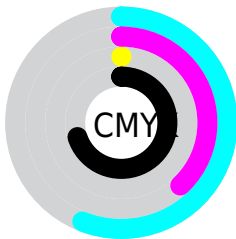
Distribution



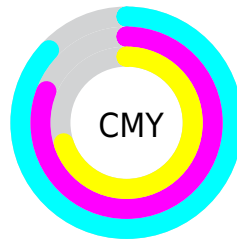
- Red (13%)
- Green (19%)
- Blue (30%)



- Red (13%)
- Yellow (18%)
- Blue (30%)



- Cyan (56%)
- Magenta (38%)
- Yellow (0%)
- Black (70%)



- Cyan (87%)
- Magenta (81%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 20.046, 280.956 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 20, 20.046, 280.956 by changing the saturation by 10% instead.

■ 20, 20.046,
280.956

■ 20, 20.046,
280.956

■ 100, 20.046,
280.956

■ 10, 20.046,
280.956

■ 40, 20.046,
280.956

■ 0, 20.046, 280.956

■ 50, 20.046,
280.956

■ 60, 20.046,
280.956

■ 70, 20.046,
280.956

■ 80, 20.046,
280.956

■ 90, 20.046,

280.956

■ 20, 20.046,
280.956

■ 20, 20.046,
280.956

■ 18, 23.856,
283.474

■ 22, 16.316,
278.742

■ 16, 27.761,
286.290

■ 25, 12.655,
276.813

■ 14, 31.767,
289.362

■ 27, 9.055, 275.139

■ 29, 5.511, 273.691

■ 12, 35.884,
292.306

■ 31, 2.021, 272.461

■ 11, 37.630,
293.363

■ 34, 1.417, 91.212

■ 36, 4.802, 90.301

■ 38, 8.135, 89.456

■ 41, 11.414, 88.701

Harmonies

Complementary

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



20, 20.046, 280.956



27, 20.021, 85.082

Rectangle

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



20, 20.046, 280.956



20, 20.046, 330.956



20, 20.046, 100.956



20, 20.046, 150.956

Sweetspot

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



20, 20.046, 280.956



37, 7.317, 273.931



29, 19.397, 168.182



18, 4.938, 274.060



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



20, 20.046, 280.956



23, 30.108, 284.446



16, 30.086, 301.873



14, 1.921, 272.780



16, 47.623, 294.912



39, 92.775, 297.529

Inverse Universe

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



20, 22.059, 0.886



24, 32.228, 3.747



31, 26.419, 113.154



14, 2.095, 354.869



20, 43.668, 15.323



49, 80.375, 19.636

Previews

White Background



This preview shows how the CIE LCh color 20, 20.046, 280.956 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 20, 20.046, 280.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

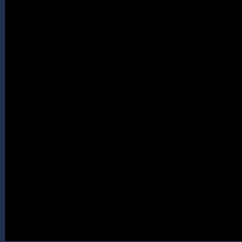
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 20.046, 280.956

Background



This preview shows how black text looks on a background with the CIELCh color 20, 20.046, 280.956.



This preview shows how white text looks on a background with the CIELCh color 20, 20.046, 280.956.

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

20, 20.046, 280.956

Protanopia

20, 19.898, 284.595

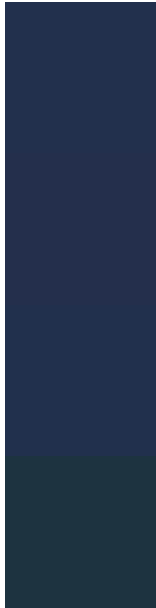
Deuteranopia

20, 20.165, 279.318



Tritanopia
20, 10.332, 213.067

Trichromacy



Original Color
20, 20.046, 280.956

Protanomaly
20, 19.944, 283.692

Deuteranomaly
20, 20.104, 280.126

Tritanomaly
20, 11.700, 247.997

Monochromacy



Original Color
20, 20.046, 280.956

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 7.751, 276.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 20.046, 280.956 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(34, 48, 77)` looks like.

```
.text, #text, p{  
    color:rgb(34, 48, 77)  
}
```

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(34, 48, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 48, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 20.046, 280.956 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(34, 48, 77) }
```

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

```
.border{ border-color:rgb(34, 48, 77) }
```

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

Here you see how a box with a 4 pixel rgb(34, 48, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 48, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 48, 77);  
box-shadow:4px 4px 4px 4px rgb(34, 48, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 20.046, 280.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 48, 77) }
```

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

```
.background{ background-color: rgb(34, 48,  
77) }
```

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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