Converting Colors

CIELCh(2, 20.891, 288.114)

Have a look what the booklet for CIELCh(2, 20.891, 288.114) contains.

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Color

CIELCh(2, 20.840, 289.265)

Conversions

Conversions Part 1

Format	Color
Hex	000425
RGB	0, 4, 37
RGB Percent	0%, 2%, 15%
CMY	0.9999, 0.9842, 0.8548
CMYK	1.00, 0.89, 0.00, 0.85
HSL	233°, 100%, 7%
HSV	233°, 100%, 15%
XYZ	0.3783, 0.2214, 1.7745
YIQ	6.5660, -12.9770, 9.4150

Conversions

Conversions Part 2

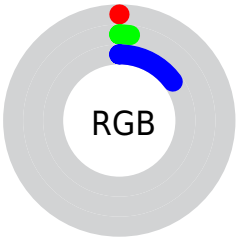
Format	Color
RYB	0, 4, 37
Decimal	1061
CIELab	2.00, 6.88, -19.67
CIELCh	2, 20.840, 289.265
Yxy	0.2214, 0.1593, 0.0933
Android (android.graphics.Color)	4278191141 (0xFF000425)
YUV	6.5660, 15.0040, -5.7584
Hunter-Lab	4.7054, 6.1161, -19.0659

Details

The CIELCh color 2, 20.840, 289.265 is a dark color, and the websafe version is hex 000033. A complement of this color would be 12, 18.666, 99.246, and the grayscale version is 2, 0.001, 296.812.

A 20% lighter version of the original color is 22, 20.834, 288.793, and 0, 0.000, 0.000 is the 20% darker color. If you saturate the color by 10%, you get 2, 20.850, 289.264, and if you desaturate by 10%, it is 3, 19.446, 289.598.

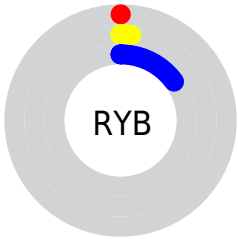
Distribution



Red (0%)

Green (2%)

Blue (15%)



Red (0%)

Yellow (2%)

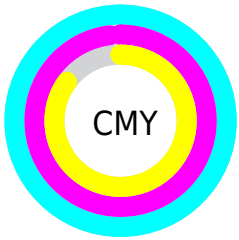
Blue (15%)

Cyan (100%)

Magenta (89%)

Yellow (0%)

Black (85%)



Cyan (100%)

Magenta (98%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 2, 20.840, 289.265 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 2, 20.840, 289.265 by changing the saturation by 10% instead.

2, 20.840, 289.265

2, 20.840, 289.265

92, 20.840, 289.265

0, 20.840, 289.265

22, 20.840, 289.265

32, 20.840, 289.265

42, 20.840, 289.265

52, 20.840, 289.265

62, 20.840, 289.265

72, 20.840, 289.265

82, 20.840, 289.265

2, 20.840, 289.265

2, 20.850, 289.264

2, 20.840, 289.265

3, 19.446, 289.598

4, 18.048, 289.974

5, 16.465, 290.037

6, 14.597, 290.077

7, 12.429, 290.341

9, 9.881, 289.512

10, 7.300, 288.287

12, 4.795, 287.204

13, 2.358, 286.253

Harmonies

Complementary

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

2, 20.840, 289.265

12, 18.666, 99.246

Rectangle

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

2, 20.840, 289.265

2, 20.840, 339.265

2, 20.840, 109.265

2, 20.840, 159.265

Sweetspot

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

2, 20.840, 289.266

14, 9.226, 288.537

12, 14.410, 183.433

5, 5.676, 286.306

63, 0.008, 296.813

9, 0.003, 296.813

Same Dimension

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

2, 20.840, 289.266

3, 29.262, 293.524

2, 23.065, 302.304

5, 0.923, 285.605

7, 52.076, 302.948

27, 109.761, 304.938

Inverse Universe

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

4, 17.006, 13.951

6, 25.336, 16.369

13, 22.776, 126.168

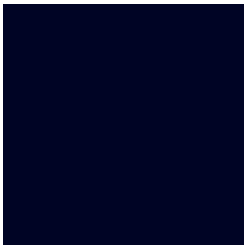
5, 0.716, 10.674

14, 40.024, 28.063

44, 85.334, 35.795

Previews

White Background



This preview shows how the CIELCh color 2, 20.840, 289.265 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

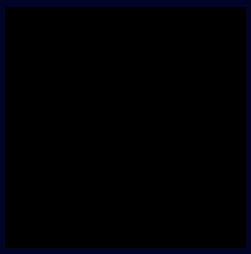
Black Background

Color Contrast Check

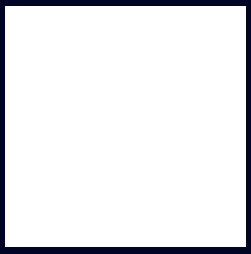
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 2, 20.840, 289.265 Background



This preview shows how black text looks on a background with the CIELCh color 2, 20.840, 289.265.



This preview shows how white text looks on a background with the CIELCh color 2, 20.840, 289.265.

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
2, 20.840, 289.265

Protanopia
3, 7.544, 266.276

Tritanopia
3, 3.676, 199.422

Trichromacy

Original Color
2, 20.840, 289.265

Protanomaly
2, 12.247, 279.954

Tritanomaly
2, 7.150, 267.363

Monochromacy

Original Color
2, 20.840, 289.265

Achromatopsia
2, 0.001, 296.812

Achromatomaly
2, 5.637, 284.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 2, 20.840, 289.265 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(0, 4, 37) looks like.

```
.text, #text, p{
    color:rgb(0, 4, 37)
}
```

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(0, 4, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 4, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 2, 20.840, 289.265 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(0, 4, 37) }
```

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

```
.border{ border-color:rgb(0, 4, 37) }
```

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

Here you see how a box with a 4 pixel rgb(0, 4, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 4, 37); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 4, 37); box-shadow:4px 4px 4px 4px rgb(0, 4, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 2, 20.840, 289.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 4, 37) }
```

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

```
.background{ background-color:rgb(0, 4,
37) }
```

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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