Converting Colors

CIELCh(21, 46.886, 295.270)

Have a look what the booklet for CIELCh(21, 46.886, 295.270) contains.

CIELCh(21, 46.801, 295.276) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 21
- ***Color Blindness Simulation*** 24
- ***CSS Examples*** 27

Color

CIELCh(21, 46.801, 295.276)

Conversions

Conversions Part 1

Format	Color
Hex	1C2C72
RGB	28, 44, 114
RGB Percent	11%, 17%, 45%
CMY	0.8911, 0.8280, 0.5536
CMYK	0.76, 0.61, 0.00, 0.55
HSL	229°, 61%, 28%
HSV	229°, 76%, 45%
XYZ	4.3951, 3.2451, 16.2623
YIQ	47.1960, -32.0060, 18.3780

Conversions

Conversions Part 2

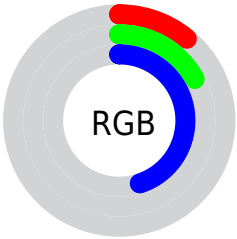
Format	Color
RYB	28, 41, 114
Decimal	1846386
CIELab	21.00, 19.98, -42.32
CIELCh	21, 46.801, 295.276
Yxy	3.2451, 0.1839, 0.1358
Android (android.graphics.Color)	4280036466 (0xFF1C2C72)
YUV	47.1960, 32.9344, -16.8349
Hunter-Lab	18.0142, 12.0259, -40.9139

Details

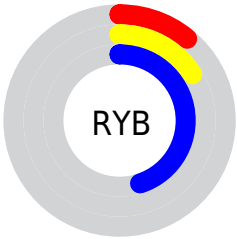
The CIELCh color 21, 46.801, 295.276 is a dark color, and the websafe version is hex 333366. A complement of this color would be 42, 40.143, 92.620, and the grayscale version is 19, 0.004, 296.813.

A 20% lighter version of the original color is 41, 47.188, 295.335, and 3, 45.137, 302.173 is the 20% darker color. If you saturate the color by 10%, you get 18, 53.675, 298.074, and if you desaturate by 10%, it is 24, 39.966, 292.594.

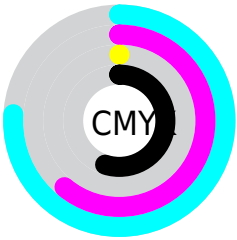
Distribution



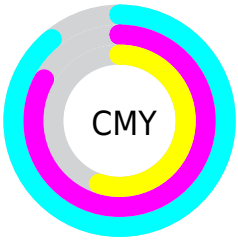
- Red (11%)
- Green (17%)
- Blue (45%)



- Red (11%)
- Yellow (16%)
- Blue (45%)



- Cyan (76%)
- Magenta (61%)
- Yellow (0%)
- Black (55%)



- Cyan (89%)
- Magenta (83%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 46.801, 295.276 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 21, 46.801, 295.276 by changing the saturation by 10% instead.

21, 46.801, 295.276

100, 46.801, 295.276

41, 46.801, 295.276

51, 46.801, 295.276

61, 46.801, 295.276

71, 46.801, 295.276

81, 46.801, 295.276

91, 46.801,

21, 46.801, 295.276

11, 46.801, 295.276

1, 46.801, 295.276

0, 46.801, 295.276

295.276

21, 46.801, 295.276

18, 53.675, 298.074

15, 60.286, 300.740

14, 63.024, 301.713

21, 46.801, 295.276

24, 39.966, 292.594

28, 33.310, 290.141

31, 26.872, 287.964

35, 20.648, 286.066

39, 14.625, 284.427

42, 8.785, 283.017

46, 3.114, 281.819

50, 2.400, 100.691

53, 7.766, 99.804

Harmonies

Complementary

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

21, 46.801, 295.276

42, 40.143, 92.620

Rectangle

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

21, 46.801, 295.276

21, 46.801, 345.276

21, 46.801, 115.276

21, 46.801, 165.276

Sweetspot

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

21, 46.801, 295.277

51, 16.236, 284.127

43, 29.442, 175.412

24, 11.212, 284.554

81, 0.010, 296.813

31, 0.005, 296.813

Same Dimension

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

21, 46.801, 295.277

22, 71.082, 300.200

19, 56.884, 307.535

22, 3.102, 282.199

15, 65.718, 301.867

35, 117.672, 303.291

Inverse Universe

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

25, 40.253, 17.601

31, 57.728, 25.083

44, 47.771, 118.413

22, 2.729, 4.965

24, 52.598, 28.162

52, 92.501, 31.468

Previews

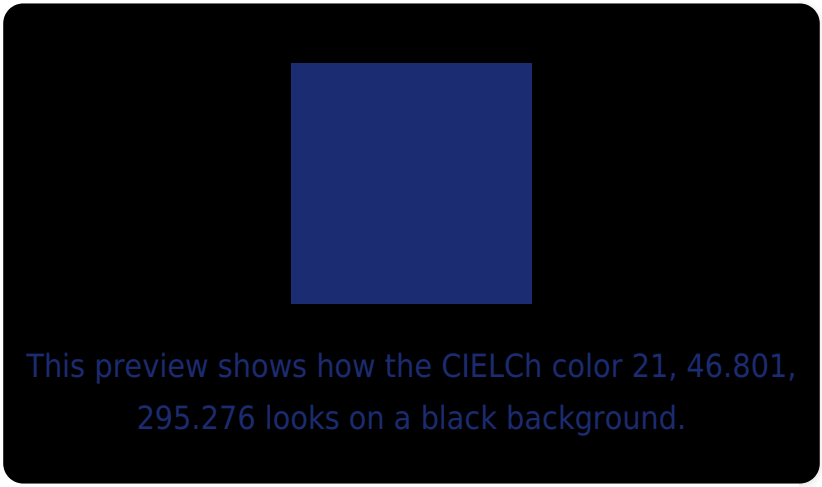
White Background

This preview shows how the CIELCh color 21, 46.801, 295.276 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 21, 46.801, 295.276

Background

This preview shows how black text looks on a background with the CIELCh color 21, 46.801, 295.276.

This preview shows how white text looks on a background with the CIELCh color 21, 46.801, 295.276.

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
21, 46.801, 295.276

Protanopia
21, 37.463, 284.205

Deuteranopia
21, 26.603, 270.424

Tritanopia
21, 16.545, 206.152

Trichromacy

Original Color
21, 46.801, 295.276

Protanomaly
21, 41.197, 288.805

Deuteranomaly
21, 33.551, 282.755

Tritanomaly
20, 21.243, 262.913

Monochromacy

Original Color
21, 46.801, 295.276

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 17.142, 286.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 46.801, 295.276 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(28, 44, 114) looks like.

```
.text, #text, p{
    color:rgb(28, 44, 114)
}
```

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(28, 44, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 44, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 46.801, 295.276 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(28, 44, 114) }
```

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

```
.border{ border-color:rgb(28, 44, 114) }
```

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

Here you see how a box with a 4 pixel rgb(28, 44, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(28, 44, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(28, 44, 114); box-shadow:4px 4px 4px 4px rgb(28, 44, 114) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 46.801, 295.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(28, 44, 114) }
```

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

```
.background{ background-color:rgb(28, 44, 114) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor