

Converting Colors

CIELCh(20, 46.604, 300.386)

Have a look what the booklet for
CIELCh(20, 46.604, 300.386)
contains.

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Color

CIELCh(20, 46.355, 300.252)

Conversions

Conversions Part 1

Format	Color
Hex	29276C
RGB	41, 39, 108
RGB Percent	16%, 15%, 42%
CMY	0.8399, 0.8476, 0.5771
CMYK	0.62, 0.64, 0.00, 0.58
HSL	242°, 47%, 29%
HSV	242°, 64%, 42%
XYZ	4.3265, 2.9891, 14.4907
YIQ	47.4640, -20.9570, 21.8830

Conversions

Conversions Part 2

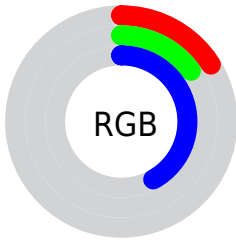
Format	Color
R_{YB}	41, 39, 108
Decimal	2697068
CIE _{Lab}	20.00, 23.35, -40.04
CIE _{LCh}	20, 46.355, 300.252
Yxy	2.9891, 0.1984, 0.1371
Android (android.graphics.Color)	4280887148 (0xFF29276C)
YUV	47.4640, 29.8442, -5.6689
Hunter-Lab	17.2889, 14.4135, -37.5920




Details

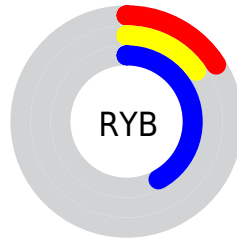
The CIELCh color **20, 46.355, 300.252** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **44, 38.733, 105.996**, and the grayscale version is **19, 0.004, 296.813**.




A 20% lighter version of the original color is **40, 46.385, 300.369**, and **3, 41.025, 300.317** is the 20% darker color. If you saturate the color by 10%, you get **16, 54.168, 302.201**, and if you desaturate by 10%, it is **24, 38.457, 298.362**.

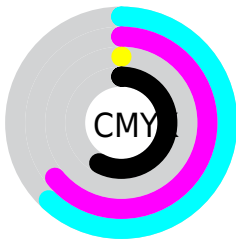
Distribution







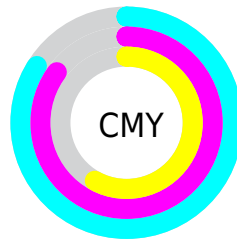
-  Red (16%)
-  Green (15%)
-  Blue (42%)






-  Red (16%)
-  Yellow (15%)
-  Blue (42%)



-  Cyan (62%)
-  Magenta (64%)
-  Yellow (0%)
-  Black (58%)





-  Cyan (84%)
-  Magenta (85%)
-  Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 46.355, 300.252 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, 46.355, 300.252 by changing the saturation by 10% instead.

 20, 46.355,
300.252


 20, 46.355,
300.252


 100, 46.355,
300.252


 10, 46.355,
300.252


 40, 46.355,
300.252

 0, 46.355, 300.252

 50, 46.355,
300.252

 60, 46.355,
300.252

 70, 46.355,
300.252

 80, 46.355,
300.252

 90, 46.355,

300.252

■ 20, 46.355,
300.252

■ 20, 46.355,
300.252

■ 16, 54.168,
302.201

■ 24, 38.457,
298.362

■ 13, 61.352,
304.011

■ 28, 30.730,
296.632

■ 11, 67.188,
305.479

■ 32, 23.269,
295.102

■ 10, 70.834,
306.445

■ 36, 16.094,
293.774

■ 40, 9.198, 292.632

■ 44, 2.565, 291.660

■ 48, 3.823, 110.797

■ 52, 9.985, 110.080

■ 56, 15.934,
109.459

Harmonies

Complementary

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



20, 46.355, 300.252



44, 38.733, 105.996

Rectangle

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



20, 46.355, 300.252



20, 46.355, 350.252



20, 46.355, 120.252



20, 46.355, 170.252

Sweetspot

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



20, 46.355, 300.253



49, 15.696, 293.245



41, 21.681, 198.783



24, 10.933, 293.503



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



20, 46.355, 300.253



21, 70.032, 303.165



24, 46.104, 312.588



20, 3.647, 292.124



11, 75.219, 306.431



31, 129.615, 306.346

Inverse Universe

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



29, 46.916, 328.335



35, 65.549, 328.848



42, 42.271, 127.008



21, 4.323, 325.651



27, 63.736, 329.348



58, 109.537, 329.416

Previews

White Background



This preview shows how the CIELCh color 20, 46.355, 300.252 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 CIE LCh color 20, 46.355, 300.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

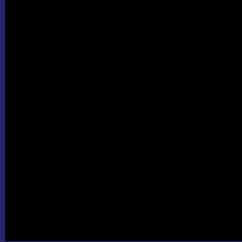
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 46.355, 300.252

Background



This preview shows how black text looks on a background with the CIELCh color 20, 46.355, 300.252.



This preview shows how white text looks on a background with the CIELCh color 20, 46.355, 300.252.

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, 46.355, 300.252

Protanopia

20, 35.728, 283.574

Deuteranopia

20, 25.462, 269.530



Tritanopia
20, 14.002, 208.324

Trichromacy



Original Color
20, 46.355, 300.252

Protanomaly
19, 39.470, 289.748

Deuteranomaly
19, 32.337, 284.228

Tritanomaly
19, 20.170, 271.956

Monochromacy



Original Color
20, 46.355, 300.252

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 17.156, 295.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 46.355, 300.252 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(41, 39, 108)` looks like.

```
.text, #text, p{  
    color:rgb(41, 39, 108)  
}
```

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(41, 39, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 39, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 46.355, 300.252 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(41, 39, 108) }
```

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

```
.border{ border-color:rgb(41, 39, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 39, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 39, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 39, 108);  
box-shadow:4px 4px 4px 4px rgb(41, 39,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 46.355, 300.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 39, 108) }
```

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

```
.background{ background-color: rgb(41, 39,  
108) }
```

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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