

Converting Colors

CIELCh(18, 20.895, 301.341)

Have a look what the booklet for
CIELCh(18, 20.895, 301.341)
contains.

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Color

CIELCh(18, 20.895, 301.341)

Conversions

Conversions Part 1

Format	Color
Hex	2E2846
RGB	46, 40, 70
RGB Percent	18%, 16%, 27%
CMY	0.8205, 0.8440, 0.7264
CMYK	0.34, 0.43, 0.00, 0.73
HSL	252°, 27%, 21%
HSV	252°, 43%, 27%
XYZ	2.9662, 2.5180, 6.0854
YIQ	45.2140, -6.0540, 10.6020

Conversions

Conversions Part 2

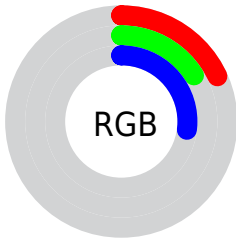
Format	Color
R_{YB}	46, 40, 70
Decimal	3024966
CIE _{Lab}	18.00, 10.87, -17.85
CIE _{LCh}	18, 20.895, 301.341
Yxy	2.5180, 0.2564, 0.2176
Android (android.graphics.Color)	4281215046 (0xFF2E2846)
YUV	45.2140, 12.2195, 0.6893
Hunter-Lab	15.8683, 5.5971, -11.6295

Details

The CIELCh color **18, 20.895, 301.341** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 19.114, 115.382**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 21.224, 301.415**, and **1, 14.535, 290.216** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.160, 302.374**, and if you desaturate by 10%, it is **21, 15.768, 300.401**.

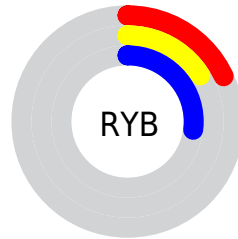
Distribution



 Red (18%)

 Green (16%)

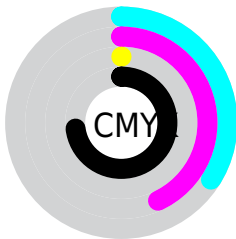
 Blue (27%)



 Red (18%)

 Yellow (16%)

 Blue (27%)

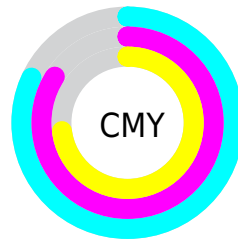


 Cyan (34%)

 Magenta (43%)

 Yellow (0%)

 Black (73%)



 Cyan (82%)

 Magenta (84%)

 Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 20.895, 301.341 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 18, 20.895, 301.341 by changing the saturation by 10% instead.

■ 18, 20.895,
301.341

■ 18, 20.895,
301.341

■ 100, 20.895,
301.341

■ 8, 20.895, 301.341

■ 38, 20.895,
301.341

■ 0, 20.895, 301.341

■ 48, 20.895,
301.341


■ 58, 20.895,
301.341


■ 68, 20.895,
301.341


■ 78, 20.895,
301.341


■ 88, 20.895,


301.341


 98, 20.895,
301.341


 18, 20.895,
301.341


 18, 20.895,
301.341

 15, 26.160,
302.374

 21, 15.768,
300.401

 13, 31.509,
303.477

 23, 10.800,
299.560

 10, 36.829,
304.604

 26, 5.997, 298.815

 8, 41.902, 305.667

 29, 1.354, 298.157

 6, 46.199, 306.291

 32, 3.135, 117.588

 5, 49.005, 306.603

 34, 7.478, 117.085

■ 37, 11.684,
116.646

■ 39, 15.759,
116.262

■ 42, 19.713,
115.927

Harmonies

Complementary

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



18, 20.895, 301.341



28, 19.114, 115.382

Rectangle

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



18, 20.895, 301.341



18, 20.895, 351.341



18, 20.895, 121.341



18, 20.895, 171.341

Sweetspot

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



18, 20.894, 301.341



35, 7.555, 298.856



26, 10.028, 219.266



16, 5.219, 298.939



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 20.894, 301.341



21, 32.305, 302.504



20, 22.055, 316.837



13, 2.608, 298.519



9, 65.665, 307.687



30, 120.850, 307.168

Inverse Universe

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



21, 20.578, 333.005



26, 30.817, 333.712



27, 21.395, 133.345



13, 2.718, 330.957



21, 50.043, 337.453



51, 90.459, 338.301

Previews

White Background



This preview shows how the CIE LCh color 18, 20.895, 301.341 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 18, 20.895, 301.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

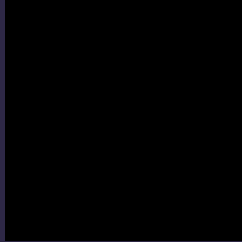
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 20.895, 301.341

Background



This preview shows how black text looks on a background with the CIELCh color 18, 20.895, 301.341.



This preview shows how white text looks on a background with the CIELCh color 18, 20.895, 301.341.

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

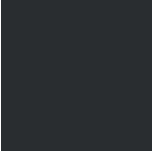
18, 20.895, 301.341

Protanopia

18, 20.847, 284.829

Deuteranopia

18, 17.614, 279.311



Tritanopia
18, 2.721, 248.828

Trichromacy



Original Color
18, 20.895, 301.341

Protanomaly
18, 20.714, 290.225

Deuteranomaly
18, 18.714, 288.041

Tritanomaly
18, 8.989, 292.407

Monochromacy



Original Color
18, 20.895, 301.341

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 7.671, 298.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 20.895, 301.341 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(46, 40, 70)` looks like.

```
.text, #text, p{  
    color:rgb(46, 40, 70)  
}
```

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(46, 40, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 40, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 20.895, 301.341 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(46, 40, 70) }
```

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

```
.border{ border-color:rgb(46, 40, 70) }
```

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

Here you see how a box with a 4 pixel rgb(46, 40, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 40, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 40, 70);  
box-shadow:4px 4px 4px 4px rgb(46, 40, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 20.895, 301.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 40, 70) }
```

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

```
.background{ background-color: rgb(46, 40,  
70) }
```

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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