

Converting Colors

CIELCh(20, 30.093, 316.721)

Have a look what the booklet for
CIELCh(20, 30.093, 316.721)
contains.

CIELCh(20, 30.154, 316.708)	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, 30.154, 316.708)

Conversions

Conversions Part 1

Format	Color
Hex	41254F
RGB	65, 37, 79
RGB Percent	25%, 15%, 31%
CMY	0.7459, 0.8557, 0.6910
CMYK	0.18, 0.53, 0.00, 0.69
HSL	280°, 36%, 23%
HSV	280°, 53%, 31%
XYZ	4.2251, 2.9891, 7.7110
YIQ	50.1600, 3.2060, 18.9980

Conversions

Conversions Part 2

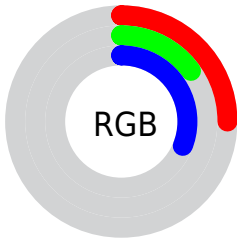
Format	Color
R_{YB}	65, 37, 79
Decimal	4269391
CIE _{Lab}	20.00, 21.95, -20.68
CIE _{LCh}	20, 30.154, 316.708
Yxy	2.9891, 0.2831, 0.2003
Android (android.graphics.Color)	4282459471 (0xFF41254F)
YUV	50.1600, 14.2181, 13.0147
Hunter-Lab	17.2889, 13.3666, -14.3418




Details

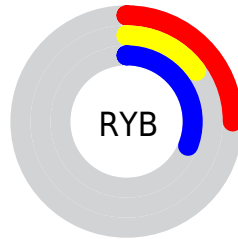
The CIELCh color **20, 30.154, 316.708** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 28.950, 132.300**, and the grayscale version is **21, 0.004, 296.813**.




A 20% lighter version of the original color is **40, 29.784, 316.828**, and **3, 23.008, 314.331** is the 20% darker color. If you saturate the color by 10%, you get **18, 35.551, 317.005**, and if you desaturate by 10%, it is **22, 24.516, 316.349**.

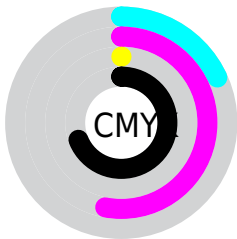
Distribution







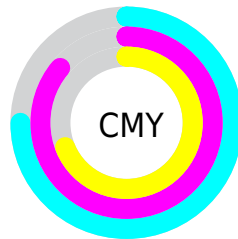
-  Red (25%)
-  Green (15%)
-  Blue (31%)






-  Red (25%)
-  Yellow (15%)
-  Blue (31%)



-  Cyan (18%)
-  Magenta (53%)
-  Yellow (0%)
-  Black (69%)





-  Cyan (75%)
-  Magenta (86%)
-  Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 30.154, 316.708 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, 30.154, 316.708 by changing the saturation by 10% instead.

 20, 30.154,
316.708


 20, 30.154,
316.708


 100, 30.154,
316.708


 10, 30.154,
316.708


 40, 30.154,
316.708

 0, 30.154, 316.708

 50, 30.154,
316.708

 60, 30.154,
316.708

 70, 30.154,
316.708

 80, 30.154,
316.708

 90, 30.154,

316.708

■ 20, 30.154,
316.708

■ 20, 30.154,
316.708

■ 18, 35.551,
317.005

■ 22, 24.516,
316.349

■ 16, 40.515,
317.200

■ 25, 18.782,
315.958

■ 14, 44.805,
317.243

■ 27, 13.048,
315.556

■ 12, 48.456,
317.164

■ 30, 7.377, 315.156

■ 11, 51.155,
317.221

■ 33, 1.808, 314.739

■ 35, 3.637, 134.452

■ 38, 8.945, 134.103

■ 41, 14.113,
133.791

■ 43, 19.141,
133.507

Harmonies

Complementary

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



20, 30.154, 316.708



30, 28.950, 132.300

Rectangle

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



20, 30.154, 316.708



20, 30.154, 6.708



20, 30.154, 136.708



20, 30.154, 186.708

Sweetspot

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



20, 30.153, 316.708



38, 11.034, 315.287



21, 18.819, 278.553



18, 7.363, 315.326



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, 30.153, 316.708



24, 44.344, 317.076



22, 28.763, 331.830



14, 3.010, 314.969



16, 61.281, 316.882



42, 111.384, 316.189

Inverse Universe

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



21, 21.519, 359.893



25, 31.632, 2.472



30, 28.869, 144.690



14, 2.104, 354.340



20, 43.575, 14.610



49, 80.103, 18.899

Previews

White Background



This preview shows how the CIE LCh color 20, 30.154, 316.708 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, 30.154, 316.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

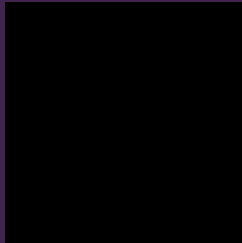
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 30.154, 316.708

Background



This preview shows how black text looks on a background with the CIELCh color 20, 30.154, 316.708.



This preview shows how white text looks on a background with the CIELCh color 20, 30.154, 316.708.

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, 30.154, 316.708

Protanopia

20, 28.704, 285.581

Deuteranopia

20, 18.779, 278.388



Tritanopia
20, 7.496, 5.461

Trichromacy



Original Color
20, 30.154, 316.708

Protanomaly
19, 28.621, 295.273

Deuteranomaly
20, 21.802, 295.105

Tritanomaly
20, 14.571, 330.546

Monochromacy



Original Color
20, 30.154, 316.708

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 11.167, 315.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 30.154, 316.708 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(65, 37, 79)` looks like.

```
.text, #text, p{  
    color:rgb(65, 37, 79)  
}
```

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(65, 37, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 37, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 30.154, 316.708 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(65, 37, 79) }
```

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

```
.border{ border-color:rgb(65, 37, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 37, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 37, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 37, 79);  
box-shadow:4px 4px 4px 4px rgb(65, 37, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 30.154, 316.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 37, 79) }
```

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

```
.background{ background-color: rgb(65, 37,  
79) }
```

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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