

Converting Colors

CIELCh(30, 21.158, 313.193)

Have a look what the booklet for
CIELCh(30, 21.158, 313.193)
contains.

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Color

CIELCh(30, 21.158, 313.193)

Conversions

Conversions Part 1

Format	Color
Hex	52405F
RGB	82, 64, 95
RGB Percent	32%, 25%, 37%
CMY	0.6796, 0.7501, 0.6286
CMYK	0.14, 0.33, 0.00, 0.63
HSL	275°, 20%, 31%
HSV	275°, 33%, 37%
XYZ	7.3229, 6.2359, 11.5720
YIQ	72.9160, 0.7770, 13.4570

Conversions

Conversions Part 2

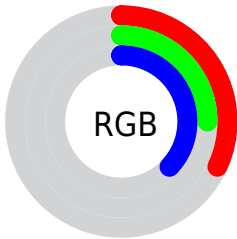
Format	Color
R_YB	82, 64, 95
Decimal	5390431
CIE Lab	30.00, 14.48, -15.43
CIE LCh	30, 21.158, 313.193
Yxy	6.2359, 0.2914, 0.2481
Android (android.graphics.Color)	4283580511 (0xFF52405F)
YUV	72.9160, 10.8874, 7.9667
Hunter-Lab	24.9718, 8.6440, -9.9950

Details

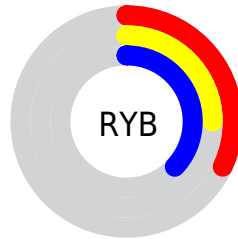
The CIELCh color **30, 21.158, 313.193** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **38, 20.441, 130.447**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 21.359, 313.079**, and **10, 21.418, 312.582** is the 20% darker color. If you saturate the color by 10%, you get **27, 27.807, 313.634**, and if you desaturate by 10%, it is **33, 14.552, 312.752**.

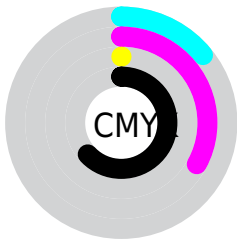
Distribution



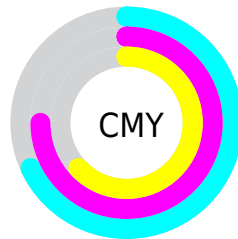
- Red (32%)
- Green (25%)
- Blue (37%)



- Red (32%)
- Yellow (25%)
- Blue (37%)



- Cyan (14%)
- Magenta (33%)
- Yellow (0%)
- Black (63%)





- Cyan (68%)
- Magenta (75%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 21.158, 313.193 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 30, 21.158, 313.193 by changing the saturation by 10% instead.


 30, 21.158,
313.193


 30, 21.158,
313.193

 100, 21.158,
313.193


 20, 21.158,
313.193


 50, 21.158,
313.193


 10, 21.158,
313.193

 60, 21.158,
313.193

 0, 21.158, 313.193

 70, 21.158,
313.193

 80, 21.158,
313.193

 90, 21.158,
313.193

■ 30, 21.158,
313.193

■ 30, 21.158,
313.193

■ 27, 27.807,
313.634

■ 33, 14.552,
312.752

■ 24, 34.399,
314.052

■ 36, 8.055, 312.324

■ 39, 1.703, 311.887

■ 21, 40.771,
314.411

■ 42, 4.488, 131.586

■ 19, 46.686,
314.663

■ 46, 10.509,
131.238

■ 17, 51.833,
314.742

■ 49, 16.360,
130.931

■ 15, 55.969,
314.605

■ 52, 22.045,
130.656

■ 13, 59.085,
314.600

■ 55, 27.569,
130.412

■ 58, 32.939,
130.195

Harmonies

Complementary

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



30, 21.158, 313.193



38, 20.441, 130.447

Rectangle

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



30, 21.158, 313.193



30, 21.158, 3.193



30, 21.158, 133.193



30, 21.158, 183.193

Sweetspot

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



30, 21.157, 313.193



47, 7.803, 312.223



32, 12.029, 267.141



23, 5.279, 312.261



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



30, 21.157, 313.193



36, 31.317, 313.523



31, 22.228, 328.003



18, 3.605, 312.164



17, 66.691, 314.377



41, 117.206, 313.702

Inverse Universe

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



31, 15.893, 351.324



38, 23.467, 352.239



37, 22.221, 144.111



18, 2.706, 348.908



23, 46.087, 7.315



51, 80.800, 10.707

Previews

White Background



This preview shows how the CIE LCh color 30, 21.158, 313.193 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 30, 21.158, 313.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

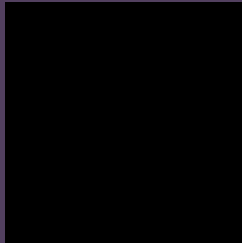
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 21.158, 313.193

Background



This preview shows how black text looks on a background with the CIELCh color 30, 21.158, 313.193.

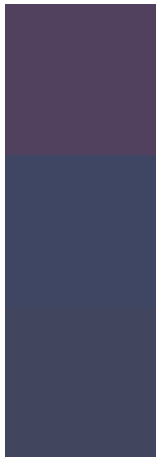


This preview shows how white text looks on a background with the CIELCh color 30, 21.158, 313.193.

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

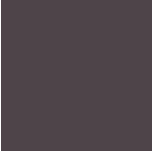
30, 21.158, 313.193

Protanopia

30, 18.675, 284.616

Deuteranopia

30, 15.419, 285.933



Tritanopia
30, 5.469, 344.591

Trichromacy



Original Color
30, 21.158, 313.193

Protanomaly
30, 18.607, 294.689

Deuteranomaly
30, 16.740, 297.149

Tritanomaly
30, 11.136, 321.546

Monochromacy



Original Color
30, 21.158, 313.193

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.508, 311.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 21.158, 313.193 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(82, 64, 95)` looks like.

```
.text, #text, p{  
    color:rgb(82, 64, 95)  
}
```

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(82, 64, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 64, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 21.158, 313.193 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(82, 64, 95) }
```

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

```
.border{ border-color:rgb(82, 64, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 64, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 64, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 64, 95);  
box-shadow:4px 4px 4px 4px rgb(82, 64, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 21.158, 313.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 64, 95) }
```

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

```
.background{ background-color: rgb(82, 64,  
95) }
```

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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