

Converting Colors

CIELCh(20, 13.215, 309.871)

Have a look what the booklet for
CIELCh(20, 13.215, 309.871)
contains.

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Color

CIELCh(20, 12.911, 310.257)

Conversions

Conversions Part 1

Format	Color
Hex	362D3F
RGB	54, 45, 63
RGB Percent	21%, 18%, 25%
CMY	0.7893, 0.8246, 0.7540
CMYK	0.14, 0.29, 0.00, 0.75
HSL	270°, 17%, 21%
HSV	270°, 29%, 25%
XYZ	3.3244, 2.9891, 5.0636
YIQ	49.7430, -0.4140, 7.5060

Conversions

Conversions Part 2

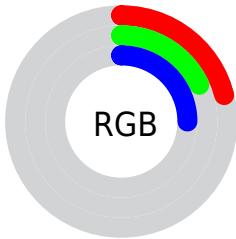
Format	Color
R_{YB}	54, 45, 63
Decimal	3550527
CIE Lab	20.00, 8.34, -9.85
CIE LCh	20, 12.911, 310.257
Yxy	2.9891, 0.2922, 0.2627
Android (android.graphics.Color)	4281740607 (0xFF362D3F)
YUV	49.7430, 6.5357, 3.7334
Hunter-Lab	17.2889, 4.0669, -5.2626

Details

The CIELCh color **20, 12.911, 310.257** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 12.473, 127.914**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 12.886, 309.852**, and **1, 10.461, 307.167** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.589, 310.724**, and if you desaturate by 10%, it is **22, 8.311, 309.809**.

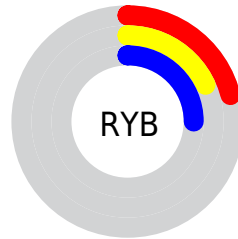
Distribution



Red (21%)

Green (18%)

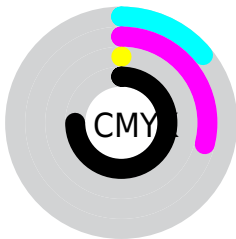
Blue (25%)



Red (21%)

Yellow (18%)

Blue (25%)

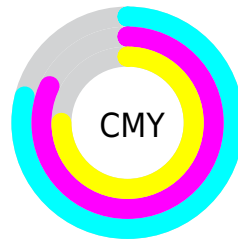


Cyan (14%)

Magenta (29%)

Yellow (0%)

Black (75%)



Cyan (79%)

Magenta (82%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 12.911, 310.257 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, 12.911, 310.257 by changing the saturation by 10% instead.

■ 20, 12.911,
310.257

■ 20, 12.911,
310.257

■ 100, 12.911,
310.257

■ 10, 12.911,
310.257

■ 40, 12.911,
310.257

■ 0, 12.911, 310.257

■ 50, 12.911,
310.257

■ 60, 12.911,
310.257

■ 70, 12.911,
310.257

■ 80, 12.911,
310.257

■ 90, 12.911,

310.257

■ 20, 12.911,
310.257

■ 20, 12.911,
310.257

■ 18, 17.589,
310.724

■ 22, 8.311, 309.809

■ 25, 3.814, 309.386

■ 16, 22.310,
311.200

■ 27, 0.570, 129.107

■ 13, 27.007,
311.661

■ 29, 4.838, 128.678

■ 31, 8.989, 128.357

■ 11, 31.578,
312.076

■ 34, 13.025,
128.073

■ 10, 35.869,
312.397

■ 36, 16.951,
127.820

■ 8, 39.817, 312.626

■ 6, 43.742, 312.799

■ 38, 20.772,
127.596

■ 6, 44.245, 312.805

■ 40, 24.491,
127.398

Harmonies

Complementary

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



20, 12.911, 310.257



25, 12.473, 127.914

Rectangle

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



20, 12.911, 310.257



20, 12.911, 0.257



20, 12.911, 130.257



20, 12.911, 180.257

Sweetspot

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



20, 12.910, 310.257



32, 4.931, 309.416



22, 6.886, 257.300



15, 3.370, 309.441



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



20, 12.910, 310.257



25, 19.194, 310.574



21, 14.427, 325.326



10, 2.390, 309.374



12, 59.885, 312.639



35, 112.471, 311.760

Inverse Universe

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



21, 10.327, 345.894



26, 15.285, 346.539



25, 14.411, 142.368



10, 1.924, 344.189



18, 41.221, 359.013



48, 76.219, 2.556

Previews

White Background



This preview shows how the CIE LCh color 20, 12.911, 310.257 looks on a white background.

Color Contrast Check

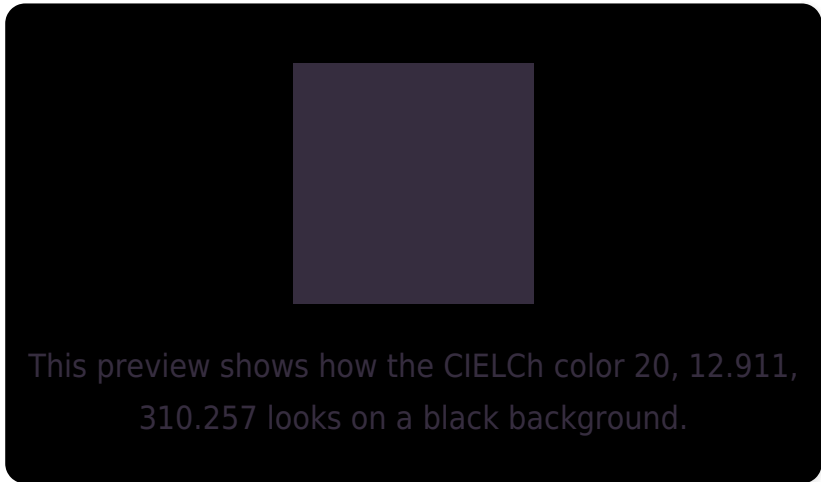
Large Text (above 18pt) WCAG AA ✓ Pass

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 20, 12.911, 310.257

Background



This preview shows how black text looks on a background with the CIELCh color 20, 12.911, 310.257.

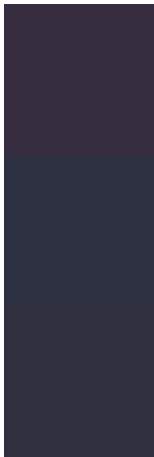


This preview shows how white text looks on a background with the CIELCh color 20, 12.911, 310.257.

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, 12.911, 310.257

Protanopia

20, 11.628, 284.894

Deuteranopia

20, 9.541, 287.381



Tritanopia
20, 3.597, 330.995

Trichromacy



Original Color
20, 12.911, 310.257

Protanomaly
20, 11.599, 294.908

Deuteranomaly
20, 10.274, 297.271

Tritanomaly
20, 6.937, 318.737

Monochromacy



Original Color
20, 12.911, 310.257

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 5.128, 311.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 12.911, 310.257 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(54, 45, 63)` looks like.

```
.text, #text, p{  
    color:rgb(54, 45, 63)  
}
```

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(54, 45, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 45, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 12.911, 310.257 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(54, 45, 63) }
```

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

```
.border{ border-color:rgb(54, 45, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 45, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 45, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 45, 63);  
box-shadow:4px 4px 4px 4px rgb(54, 45, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 12.911, 310.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 45, 63) }
```

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

```
.background{ background-color: rgb(54, 45,  
63) }
```

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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