

Converting Colors

CIELCh(33, 20.955, 302.533)

Have a look what the booklet for
CIELCh(33, 20.955, 302.533)
contains.

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Color

CIELCh(33, 20.502, 302.042)

Conversions

Conversions Part 1

Format	Color
Hex	514969
RGB	81, 73, 105
RGB Percent	32%, 29%, 41%
CMY	0.6823, 0.7137, 0.5882
CMYK	0.23, 0.30, 0.00, 0.59
HSL	255°, 18%, 35%
HSV	255°, 30%, 41%
XYZ	8.3288, 7.5373, 14.3847
YIQ	79.0400, -5.5040, 11.6480

Conversions

Conversions Part 2

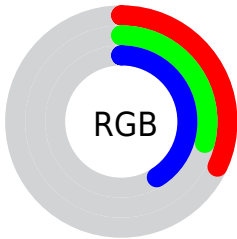
Format	Color
R_{YB}	81, 73, 105
Decimal	5327209
CIE _{Lab}	33.00, 10.88, -17.38
CIE _{LCh}	33, 20.502, 302.042
Yxy	7.5373, 0.2753, 0.2492
Android (android.graphics.Color)	4283517289 (0xFF514969)
YUV	79.0400, 12.7983, 1.7189
Hunter-Lab	27.4541, 6.1070, -11.8473

Details

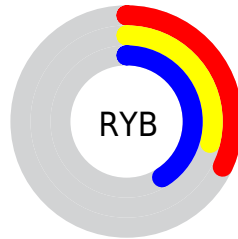
The CIELCh color $[33, 20.502, 302.042]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[43, 19.294, 118.107]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 20.043, 301.933]$, and $[13, 21.018, 302.104]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 27.685, 302.924]$, and if you desaturate by 10%, it is $[37, 13.538, 301.250]$.

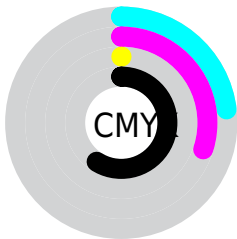
Distribution



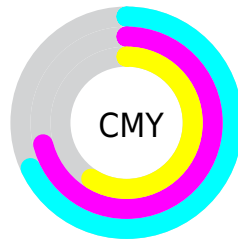
- Red (32%)
- Green (29%)
- Blue (41%)



- Red (32%)
- Yellow (29%)
- Blue (41%)



- Cyan (23%)
- Magenta (30%)
- Yellow (0%)
- Black (59%)





- Cyan (68%)
- Magenta (71%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 20.502, 302.042 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 33, 20.502, 302.042 by changing the saturation by 10% instead.


 33, 20.502,
302.042


 33, 20.502,
302.042

 100, 20.502,
302.042


 23, 20.502,
302.042

 53, 20.502,
302.042


 13, 20.502,
302.042


 63, 20.502,
302.042

 3, 20.502, 302.042

 73, 20.502,
302.042

 0, 20.502, 302.042

 83, 20.502,
302.042

 93, 20.502,
302.042

■ 33, 20.502,
302.042

■ 33, 20.502,
302.042

■ 29, 27.685,
302.924

■ 37, 13.538,
301.250

■ 26, 35.050,
303.888

■ 41, 6.807, 300.548

■ 44, 0.307, 299.875

■ 22, 42.498,
304.904

■ 48, 5.972, 119.403

■ 19, 49.832,
305.913

■ 52, 12.040,
118.934

■ 16, 56.687,
306.814

■ 55, 17.909,
118.528

■ 13, 62.492,
307.456

■ 59, 23.590,
118.176

■ 11, 67.773,
308.175

■ 63, 29.097,
117.871

■ 66, 34.438,
117.608

Harmonies

Complementary

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



33, 20.502, 302.042



43, 19.294, 118.107

Rectangle

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



33, 20.502, 302.042



33, 20.502, 352.042



33, 20.502, 122.042



33, 20.502, 172.042

Sweetspot

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



33, 20.501, 302.042



53, 7.294, 300.469



40, 10.123, 227.487



26, 5.039, 300.541



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



33, 20.501, 302.042



40, 31.493, 302.704



35, 22.177, 318.531



20, 3.703, 300.451



13, 73.420, 308.067



33, 127.162, 307.599

Inverse Universe

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



35, 19.888, 334.280



44, 30.070, 334.814



42, 21.800, 135.874



21, 3.701, 332.852



25, 54.151, 340.710



55, 92.262, 341.656

Previews

White Background



This preview shows how the CIE LCh color 33, 20.502, 302.042 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 33, 20.502, 302.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

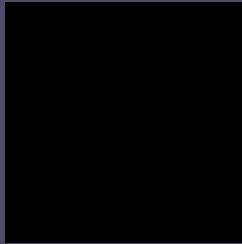
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 20.502, 302.042

Background



This preview shows how black text looks on a background with the CIELCh color 33, 20.502, 302.042.

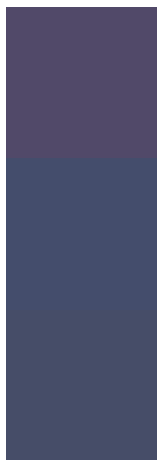


This preview shows how white text looks on a background with the CIELCh color 33, 20.502, 302.042.

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


33, 20.502, 302.042

Protanopia

33, 19.669, 284.106

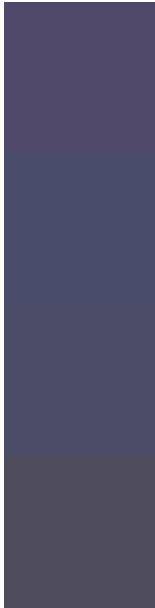
Deuteranopia

33, 17.120, 284.436



Tritanopia
33, 3.787, 290.849

Trichromacy



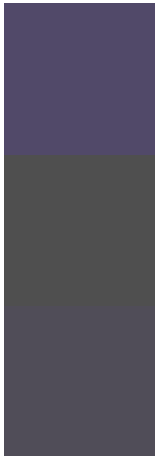
Original Color
33, 20.502, 302.042

Protanomaly
33, 19.533, 290.274

Deuteranomaly
33, 17.648, 290.762

Tritanomaly
33, 9.521, 296.697

Monochromacy



Original Color
33, 20.502, 302.042

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 7.062, 301.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 20.502, 302.042 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(81, 73, 105)` looks like.

```
.text, #text, p{  
    color:rgb(81, 73, 105)  
}
```

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(81, 73, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 73, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 20.502, 302.042 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(81, 73, 105) }
```

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

```
.border{ border-color:rgb(81, 73, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 73, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 73, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 73, 105);  
box-shadow:4px 4px 4px 4px rgb(81, 73,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 20.502, 302.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 73, 105) }
```

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

```
.background{ background-color: rgb(81, 73,  
105) }
```

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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