

Converting Colors

CIELCh(20, 14.256, 303.137)

Have a look what the booklet for
CIELCh(20, 14.256, 303.137)
contains.

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Color

CIELCh(20, 14.595, 303.195)

Conversions

Conversions Part 1

Format	Color
Hex	332D42
RGB	51, 45, 66
RGB Percent	20%, 18%, 26%
CMY	0.7995, 0.8230, 0.7406
CMYK	0.23, 0.32, 0.00, 0.74
HSL	257°, 19%, 22%
HSV	257°, 32%, 26%
XYZ	3.3029, 2.9891, 5.5786
YIQ	49.1880, -3.1650, 7.8030

Conversions

Conversions Part 2

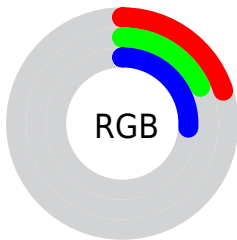
Format	Color
R_{YB}	51, 45, 66
Decimal	3353922
CIE _{Lab}	20.00, 7.99, -12.21
CIE _{LCh}	20, 14.595, 303.195
Yxy	2.9891, 0.2782, 0.2518
Android (android.graphics.Color)	4281544002 (0xFF332D42)
YUV	49.1880, 8.2883, 1.5891
Hunter-Lab	17.2889, 3.8453, -7.0289

Details

The CIELCh color **20, 14.595, 303.195** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 13.792, 119.609**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 14.357, 303.168**, and **1, 12.272, 297.968** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.477, 303.947**, and if you desaturate by 10%, it is **23, 9.845, 302.511**.

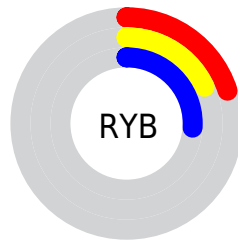
Distribution



Red (20%)

Green (18%)

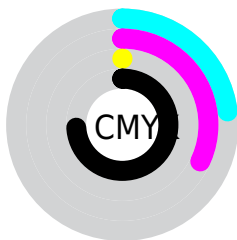
Blue (26%)



Red (20%)

Yellow (18%)

Blue (26%)

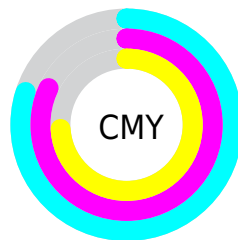


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (74%)



Cyan (80%)

Magenta (82%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 14.595, 303.195 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, 14.595, 303.195 by changing the saturation by 10% instead.

■ 20, 14.595,
303.195

■ 20, 14.595,
303.195

■ 100, 14.595,
303.195

■ 10, 14.595,
303.195

■ 40, 14.595,
303.195

■ 0, 14.595, 303.195

■ 50, 14.595,
303.195

■ 60, 14.595,
303.195

■ 70, 14.595,
303.195

■ 80, 14.595,
303.195

■ 90, 14.595,

303.195

■ 20, 14.595,
303.195

■ 20, 14.595,
303.195

■ 17, 19.477,
303.947

■ 23, 9.845, 302.511

■ 15, 24.469,
304.758

■ 25, 5.239, 301.897

■ 28, 0.776, 301.331

■ 13, 29.515,
305.609

■ 30, 3.547, 120.880

■ 10, 34.513,
306.458

■ 33, 7.735, 120.452

■ 35, 11.796,
120.079

■ 8, 39.279, 307.236

■ 6, 43.372, 307.627

■ 38, 15.736,
119.752

■ 5, 46.471, 307.756

■ 40, 19.561,
119.466

■ 42, 23.278,
119.216

Harmonies

Complementary

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



20, 14.595, 303.195



27, 13.792, 119.609

Rectangle

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



20, 14.595, 303.195



20, 14.595, 353.195



20, 14.595, 123.195



20, 14.595, 173.195

Sweetspot

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



20, 14.594, 303.195



34, 5.567, 301.820



24, 7.186, 231.972



16, 3.741, 301.852



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



20, 14.594, 303.195



25, 22.127, 303.782



21, 15.873, 319.535



11, 2.470, 301.712



10, 63.600, 308.719



31, 118.356, 308.037

Inverse Universe

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



21, 13.788, 335.689



27, 20.611, 336.237



26, 15.651, 136.883



12, 2.398, 334.179



20, 46.388, 342.633



50, 84.383, 344.110

Previews

White Background



This preview shows how the CIELCh color 20, 14.595, 303.195 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, 14.595, 303.195 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, 14.595, 303.195

Background



This preview shows how black text looks on a background with the CIELCh color 20, 14.595, 303.195.



This preview shows how white text looks on a background with the CIELCh color 20, 14.595, 303.195.

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, 14.595, 303.195

Protanopia

20, 13.720, 283.537

Deuteranopia

20, 12.342, 283.751



Tritanopia
20, 2.770, 300.316

Trichromacy



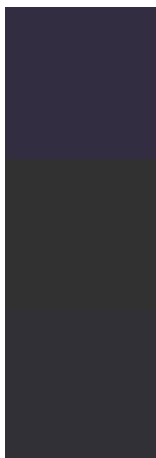
Original Color
20, 14.595, 303.195

Protanomaly
20, 13.627, 289.991

Deuteranomaly
20, 12.941, 291.395

Tritanomaly
20, 6.968, 302.725

Monochromacy



Original Color
20, 14.595, 303.195

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 4.861, 301.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 14.595, 303.195 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(51, 45, 66)` looks like.

```
.text, #text, p{  
    color:rgb(51, 45, 66)  
}
```

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(51, 45, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 45, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 14.595, 303.195 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(51, 45, 66) }
```

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

```
.border{ border-color:rgb(51, 45, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 45, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 45, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 45, 66);  
box-shadow:4px 4px 4px 4px rgb(51, 45, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 14.595, 303.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 45, 66) }
```

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

```
.background{ background-color: rgb(51, 45,  
66) }
```

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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