

Converting Colors

CIELCh(20, 11.151, 344.650)

Have a look what the booklet for
CIELCh(20, 11.151, 344.650)
contains.

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Color

CIELCh(20, 11.120, 344.613)

Conversions

Conversions Part 1

Format	Color
Hex	3E2B35
RGB	62, 43, 53
RGB Percent	24%, 17%, 21%
CMY	0.7576, 0.8320, 0.7928
CMYK	0.00, 0.31, 0.15, 0.76
HSL	328°, 18%, 21%
HSV	328°, 31%, 24%
XYZ	3.4715, 2.9891, 3.7411
YIQ	49.8210, 8.1140, 7.1380

Conversions

Conversions Part 2

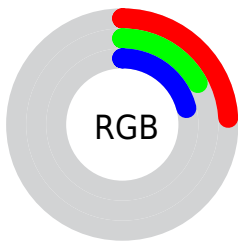
Format	Color
R_{YB}	62, 43, 53
Decimal	4074293
CIE Lab	20.00, 10.72, -2.95
CIE LCh	20, 11.120, 344.613
Yxy	2.9891, 0.3403, 0.2930
Android (android.graphics.Color)	4282264373 (0xFF3E2B35)
YUV	49.8210, 1.5672, 10.6810
Hunter-Lab	17.2889, 5.5863, -0.7275

Details

The CIELCh color **20, 11.120, 344.613** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 10.802, 159.871**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 10.730, 346.543**, and **2, 7.611, 354.328** is the 20% darker color. If you saturate the color by 10%, you get **18, 14.757, 345.556**, and if you desaturate by 10%, it is **22, 7.456, 343.762**.

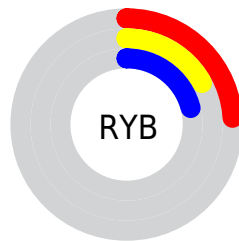
Distribution



Red (24%)

Green (17%)

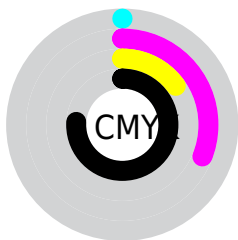
Blue (21%)



Red (24%)

Yellow (17%)

Blue (21%)

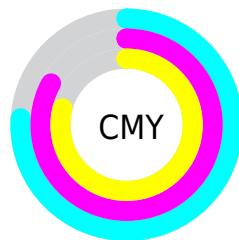


Cyan (0%)

Magenta (31%)

Yellow (15%)

Black (76%)



Cyan (76%)


Magenta (83%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 11.120, 344.613 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, 11.120, 344.613 by changing the saturation by 10% instead.

 20, 11.120,
344.613


 20, 11.120,
344.613


 100, 11.120,
344.613


 10, 11.120,
344.613


 40, 11.120,
344.613


 0, 11.120, 344.613

 50, 11.120,
344.613

 60, 11.120,
344.613

 70, 11.120,
344.613

 80, 11.120,
344.613

 90, 11.120,

344.613

■ 20, 11.120,
344.613

■ 20, 11.120,
344.613

■ 18, 14.757,
345.556

■ 22, 7.456, 343.762

■ 16, 18.293,
346.614

■ 24, 3.823, 342.970

■ 15, 21.621,
347.824

■ 26, 0.255, 341.630

■ 13, 24.612,
349.236

■ 28, 3.226, 161.706

■ 12, 27.122,
350.917

■ 30, 6.610, 161.070

■ 11, 29.261,
352.776

■ 32, 9.893, 160.494

■ 34, 13.074,
159.958

■ 36, 16.158,

■ 10, 31.532,
354.231

159.457

■ 39, 19.147,
158.987

Harmonies

Complementary

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



20, 11.120, 344.613



24, 10.802, 159.871

Rectangle

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



20, 11.120, 344.613



20, 11.120, 34.613



20, 11.120, 164.613



20, 11.120, 214.613

Sweetspot

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



20, 11.119, 344.615



32, 4.041, 342.869



19, 13.619, 309.235



15, 2.762, 342.917



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, 11.119, 344.615



26, 16.903, 345.361



20, 9.437, 18.956



10, 1.959, 342.789



18, 41.519, 356.756



48, 76.589, 0.043

Inverse Universe

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



20, 11.119, 344.615



26, 16.903, 345.361



25, 7.971, 195.028



10, 1.959, 342.789



18, 41.519, 356.756



48, 76.589, 0.043

Previews

White Background



This preview shows how the CIE LCh color 20, 11.120, 344.613 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

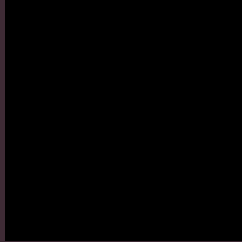
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 11.120, 344.613

Background



This preview shows how black text looks on a background with the CIELCh color 20, 11.120, 344.613.



This preview shows how white text looks on a background with the CIELCh color 20, 11.120, 344.613.

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, 11.120, 344.613

Protanopia

20, 5.457, 286.850

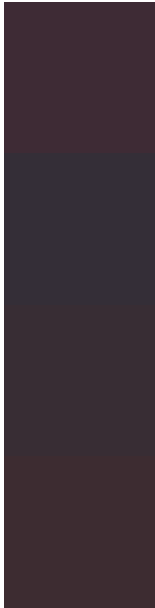
Deuteranopia

20, 4.133, 324.859



Tritanopia
20, 8.478, 7.569

Trichromacy



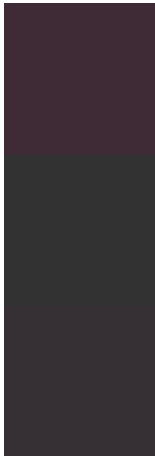
Original Color
20, 11.120, 344.613

Protanomaly
20, 6.743, 315.242

Deuteranomaly
20, 7.005, 338.209

Tritanomaly
20, 8.793, 358.910

Monochromacy



Original Color
20, 11.120, 344.613

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 4.266, 340.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 11.120, 344.613 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(62, 43, 53)` looks like.

```
.text, #text, p{  
    color:rgb(62, 43, 53)  
}
```

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(62, 43, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 43, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 11.120, 344.613 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(62, 43, 53) }
```

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

```
.border{ border-color:rgb(62, 43, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 43, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 43, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 43, 53);  
box-shadow:4px 4px 4px 4px rgb(62, 43, 53)  
}
```

Background

The CSS property to change the background color of an element to CIE LCh 20, 11.120, 344.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 43, 53) }
```

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

```
.background{ background-color: rgb(62, 43,  
53) }
```

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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