

Converting Colors

CIELCh(20, 6.347, 12.063)

Have a look what the booklet for
CIELCh(20, 6.347, 12.063) contains.

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Color

CIELCh(20, 6.422, 8.693)

Conversions

Conversions Part 1

Format	Color
Hex	3A2D2F
RGB	58, 45, 47
RGB Percent	23%, 18%, 18%
CMY	0.7723, 0.8233, 0.8154
CMYK	0.00, 0.22, 0.19, 0.77
HSL	351°, 13%, 20%
HSV	351°, 22%, 23%
XYZ	3.2041, 2.9891, 3.1043
YIQ	49.1150, 7.1060, 3.3780

Conversions

Conversions Part 2

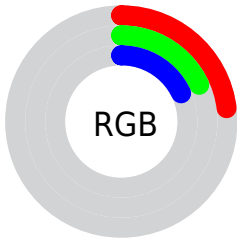
Format	Color
RYB	58, 45, 47
Decimal	3812655
CIELab	20.00, 6.35, 0.97
CIElCh	20, 6.422, 8.693
Yxy	2.9891, 0.3446, 0.3215
Android (android.graphics.Color)	4282002735 (0xFF3A2D2F)
YUV	49.1150, -1.0427, 7.7921
Hunter-Lab	17.2889, 2.8259, 1.4565

Details

The CIELCh color **20, 6.422, 8.693** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 5.877, 185.224**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 6.120, 8.798**, and **1, 4.364, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 9.505, 9.796**, and if you desaturate by 10%, it is **22, 3.467, 7.748**.

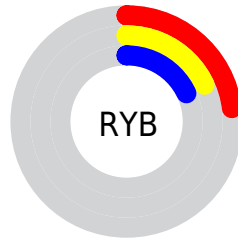
Distribution



Red (23%)

Green (18%)

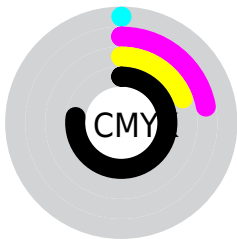
Blue (18%)



Red (23%)

Yellow (18%)

Blue (18%)

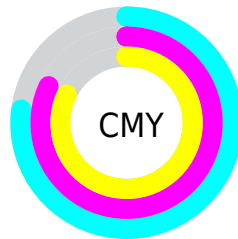


Cyan (0%)

Magenta (22%)

Yellow (19%)

Black (77%)



Cyan (77%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 6.422, 8.693 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, 6.422, 8.693 by changing the saturation by 10% instead.

■ 20, 6.422, 8.693

■ 20, 6.422, 8.693

■ 100, 6.422, 8.693

■ 10, 6.422, 8.693

■ 40, 6.422, 8.693

■ 0, 6.422, 8.693

■ 50, 6.422, 8.693

■ 60, 6.422, 8.693

■ 70, 6.422, 8.693

■ 80, 6.422, 8.693

■ 90, 6.422, 8.693

■ 20, 6.422, 8.693

■ 20, 6.422, 8.693

■ 18, 9.505, 9.796

■ 22, 3.467, 7.748

16, 12.694, 11.097

24, 0.653, 6.682

15, 15.946, 12.666

26, 2.019, 186.435

13, 19.198, 14.579

28, 4.554, 185.767

12, 22.367, 16.914

30, 6.959, 185.209

10, 25.204, 18.738

32, 9.245, 184.716

9, 27.830, 19.212

34, 11.421,
184.274

8, 29.949, 18.462

36, 13.498,
183.872

38, 15.484,
183.505

Harmonies

Complementary

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



20, 6.422, 8.693



23, 5.877, 185.224

Rectangle

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



20, 6.422, 8.693



20, 6.422, 58.693



20, 6.422, 188.693



20, 6.422, 238.693

Sweetspot

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



20, 6.421, 8.699



31, 2.434, 7.288



20, 10.122, 320.666



14, 1.552, 7.281



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 6.421, 8.699



26, 9.883, 9.329



21, 5.170, 54.182



9, 1.490, 7.375



17, 43.431, 27.861



46, 86.048, 33.314

Inverse Universe

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



20, 6.421, 8.699



26, 9.883, 9.329



22, 4.669, 237.655



9, 1.490, 7.375



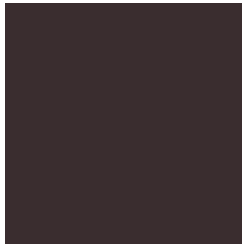
17, 43.431, 27.861



46, 86.048, 33.314

Previews

White Background



This preview shows how the CIELCh color 20, 6.422, 8.693 looks on a white background.

Color Contrast Check

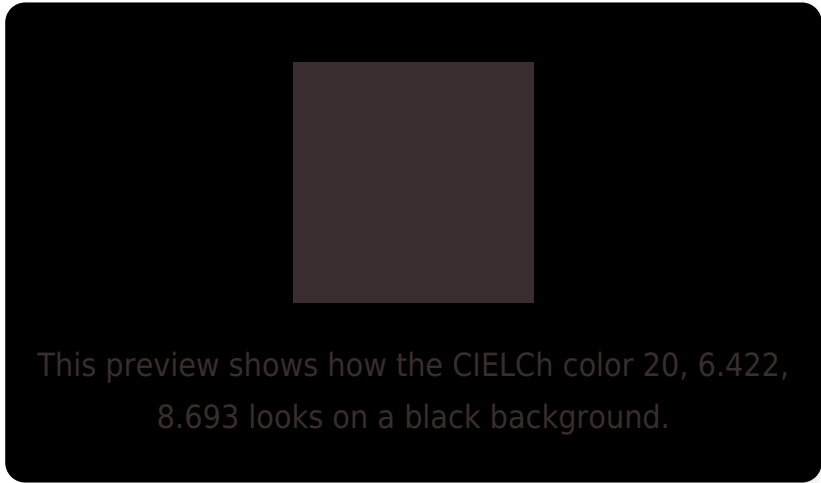
Large Text (above 18pt) WCAG AA ✓ Pass

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

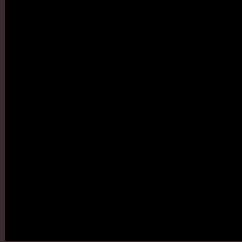
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 6.422, 8.693

Background



This preview shows how black text looks on a background with the CIELCh color 20, 6.422, 8.693.

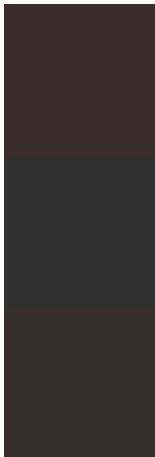


This preview shows how white text looks on a background with the CIELCh color 20, 6.422, 8.693.

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, 6.422, 8.693

Protanopia

20, 0.833, 324.418

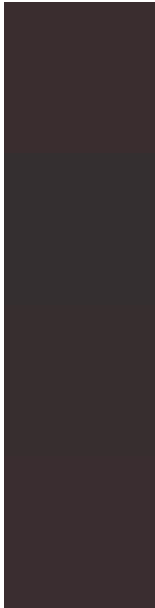
Deuteranopia

20, 3.358, 20.052



Tritanopia
20, 6.558, 2.874

Trichromacy



Original Color

20, 6.422, 8.693

Protanomaly

20, 2.470, 3.919

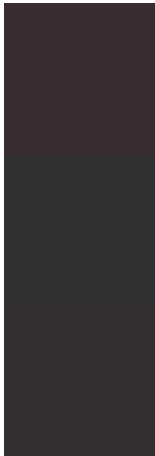
Deuteranomaly

20, 4.378, 11.435

Tritanomaly

20, 6.558, 2.874

Monochromacy



Original Color

20, 6.422, 8.693

Achromatopsia

20, 0.004, 296.813

Achromatomaly

20, 1.896, 19.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 6.422, 8.693 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(58, 45, 47)` looks like.

```
.text, #text, p{  
    color:rgb(58, 45, 47)  
}
```

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(58, 45, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 45, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 6.422, 8.693 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(58, 45, 47) }
```

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

```
.border{ border-color:rgb(58, 45, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 45, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 45, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 45, 47);  
box-shadow:4px 4px 4px 4px rgb(58, 45, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 6.422, 8.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 45, 47) }
```

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

```
.background{ background-color: rgb(58, 45,  
47) }
```

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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