

Converting Colors

CIELCh(20, 8.815, 24.422)

Have a look what the booklet for
CIELCh(20, 8.815, 24.422) contains.

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Color

CIELCh(20, 9.024, 25.596)

Conversions

Conversions Part 1

Format	Color
Hex	3E2C2B
RGB	62, 44, 43
RGB Percent	24%, 17%, 17%
CMY	0.7573, 0.8278, 0.8317
CMYK	0.00, 0.29, 0.31, 0.76
HSL	3°, 18%, 21%
HSV	3°, 31%, 24%
XYZ	3.3119, 2.9891, 2.6790
YIQ	49.2680, 11.0490, 3.5050

Conversions

Conversions Part 2

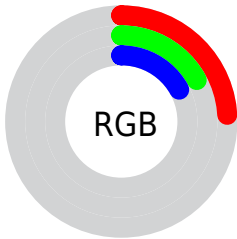
Format	Color
R_{YB}	62, 44, 43
Decimal	4074539
CIE Lab	20.00, 8.14, 3.90
CIE LCh	20, 9.024, 25.596
Yxy	2.9891, 0.3688, 0.3329
Android (android.graphics.Color)	4282264619 (0xFF3E2C2B)
YUV	49.2680, -3.0901, 11.1660
Hunter-Lab	17.2889, 3.9381, 2.9149

Details

The CIELCh color **20, 9.024, 25.596** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 7.502, 203.255**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 8.878, 28.352**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 12.378, 26.468**, and if you desaturate by 10%, it is **22, 5.873, 24.924**.

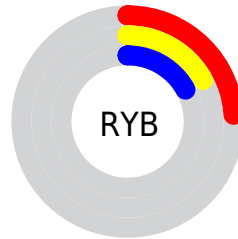
Distribution



Red (24%)

Green (17%)

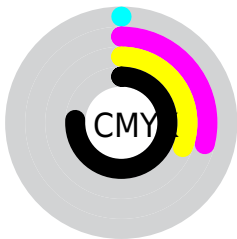
Blue (17%)



Red (24%)

Yellow (17%)

Blue (17%)

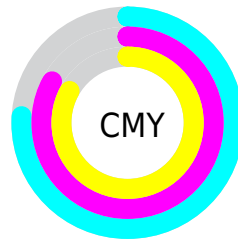


Cyan (0%)

Magenta (29%)

Yellow (31%)

Black (76%)



Cyan (76%)

Magenta (83%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 9.024, 25.596 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, 9.024, 25.596 by changing the saturation by 10% instead.

■ 20, 9.024, 25.596 ■ 20, 9.024, 25.596

■ 100, 9.024, 25.596 ■ 10, 9.024, 25.596

■ 40, 9.024, 25.596 ■ 0, 9.024, 25.596

■ 50, 9.024, 25.596

■ 60, 9.024, 25.596

■ 70, 9.024, 25.596

■ 80, 9.024, 25.596

■ 90, 9.024, 25.596

■ 20, 9.024, 25.596 ■ 20, 9.024, 25.596

■ 18, 12.378, 26.468 ■ 22, 5.873, 24.924

16, 15.923, 27.577

24, 2.928, 24.371

15, 19.625, 28.987

26, 0.180, 22.719

13, 23.310, 30.252

28, 2.382, 203.867

12, 26.451, 30.099

30, 4.776, 203.590

11, 29.038, 29.581

32, 7.017, 203.405

10, 31.447, 29.085

34, 9.120, 203.273

36, 11.102,
203.178

39, 12.974,
203.113

Harmonies

Complementary

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



20, 9.024, 25.596



24, 7.502, 203.255

Rectangle

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



20, 9.024, 25.596



20, 9.024, 75.596



20, 9.024, 205.596



20, 9.024, 255.596

Sweetspot

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



20, 9.023, 25.602



32, 3.092, 24.305



20, 14.826, 327.298



15, 2.116, 24.338



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, 9.023, 25.602



25, 14.080, 26.282



23, 8.183, 77.191



10, 1.495, 24.250



18, 46.368, 36.484



47, 93.457, 40.444

Inverse Universe

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



24, 7.502, 203.255



32, 11.075, 203.129



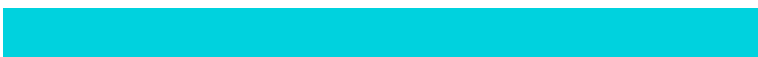
21, 7.781, 264.767



11, 1.427, 203.877



34, 22.674, 204.567



77, 42.044, 205.277

Previews

White Background



This preview shows how the CIE LCh color 20, 9.024, 25.596 looks on a white background.

Color Contrast Check

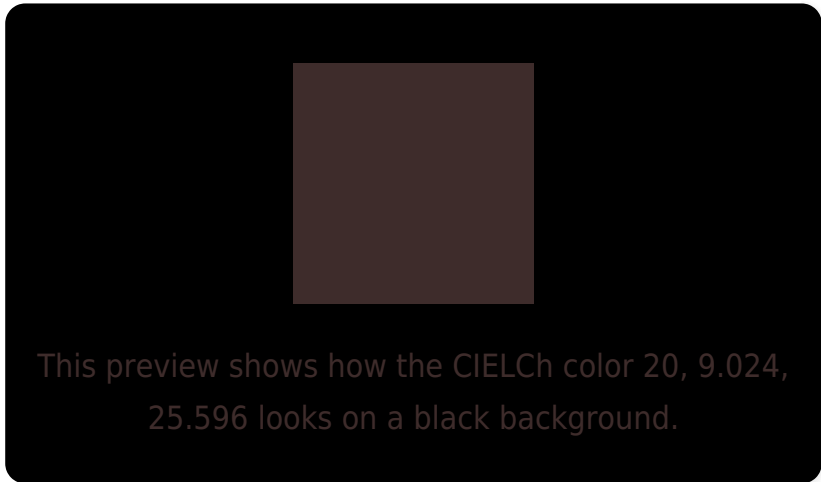
Large Text (above 18pt) WCAG AA ✓ Pass

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

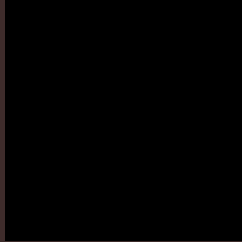
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 9.024, 25.596

Background



This preview shows how black text looks on a background with the CIELCh color 20, 9.024, 25.596.

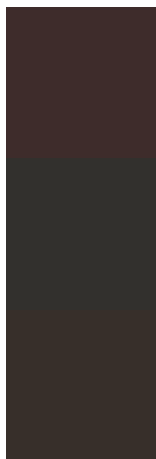


This preview shows how white text looks on a background with the CIELCh color 20, 9.024, 25.596.

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, 9.024, 25.596

Protanopia

20, 2.244, 84.321

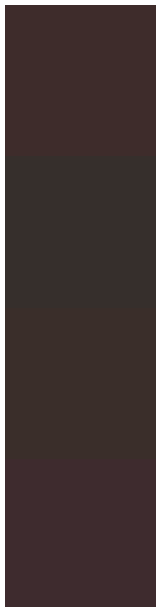
Deuteranopia

20, 5.238, 60.065



Tritanopia
20, 9.580, 5.329

Trichromacy



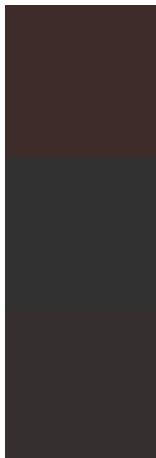
Original Color
20, 9.024, 25.596

Protanomaly
20, 3.987, 50.515

Deuteranomaly
20, 6.611, 44.513

Tritanomaly
20, 9.477, 9.318

Monochromacy



Original Color
20, 9.024, 25.596

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 3.358, 20.052

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 20, 9.024, 25.596 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, 44, 43)` looks like.

```
.text, #text, p{  
    color:rgb(62, 44, 43)  
}
```

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, 44, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 44, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 9.024, 25.596 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, 44, 43) }
```

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

```
.border{ border-color:rgb(62, 44, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 44, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 44, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 44, 43);  
box-shadow:4px 4px 4px 4px rgb(62, 44, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 9.024, 25.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 44, 43) }
```

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

```
.background{ background-color: rgb(62, 44,  
43) }
```

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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