

Converting Colors

CIELCh(20, 41.850, 35.420)

Have a look what the booklet for
CIELCh(20, 41.850, 35.420) contains.

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Color

CIELCh(20, 41.650, 35.421)

Conversions

Conversions Part 1

Format	Color
Hex	60130E
RGB	96, 19, 14
RGB Percent	38%, 7%, 5%
CMY	0.6233, 0.9253, 0.9449
CMYK	0.00, 0.80, 0.85, 0.62
HSL	4°, 74%, 22%
HSV	4°, 85%, 38%
XYZ	5.1428, 2.9891, 0.7231
YIQ	41.4530, 47.4970, 14.7690

Conversions

Conversions Part 2

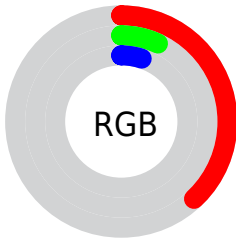
Format	Color
R_{YB}	96, 19, 14
Decimal	6296334
CIE _{Lab}	20.00, 33.94, 24.14
CIE _{LCh}	20, 41.650, 35.421
Yxy	2.9891, 0.5808, 0.3376
Android (android.graphics.Color)	4284486414 (0xFF60130E)
YUV	41.4530, -13.5343, 47.8377
Hunter-Lab	17.2889, 22.8413, 9.6223

Details

The CIELCh color **20, 41.650, 35.421** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 21.745, 205.089**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 41.400, 35.262**, and **5, 23.845, 18.421** is the 20% darker color. If you saturate the color by 10%, you get **19, 45.422, 36.401**, and if you desaturate by 10%, it is **22, 36.500, 33.286**.

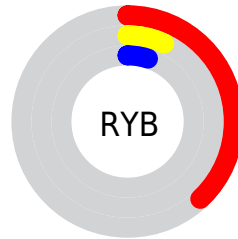
Distribution



Red (38%)

Green (7%)

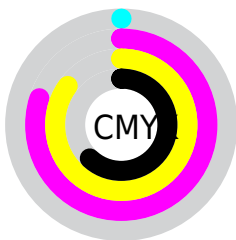
Blue (5%)



Red (38%)

Yellow (7%)

Blue (5%)

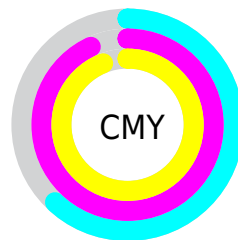


Cyan (0%)

Magenta (80%)

Yellow (85%)

Black (62%)



Cyan (62%)

Magenta (93%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 41.650, 35.421 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, 41.650, 35.421 by changing the saturation by 10% instead.

 20, 41.650, 35.421

 20, 41.650, 35.421

 100, 41.650,
35.421

 10, 41.650, 35.421

 0, 41.650, 35.421

 40, 41.650, 35.421

 50, 41.650, 35.421

 60, 41.650, 35.421

 70, 41.650, 35.421

 80, 41.650, 35.421

 90, 41.650, 35.421

 20, 41.650, 35.421

 20, 41.650, 35.421

19, 45.422, 36.401

22, 36.500, 33.286

18, 46.997, 36.958

23, 30.993, 31.102

26, 25.537, 29.328

28, 20.261, 27.936

31, 15.248, 26.865

33, 10.539, 26.046

36, 6.148, 25.416

39, 2.069, 24.858

42, 1.716, 204.872

Harmonies

Complementary

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



20, 41.650, 35.421



35, 21.745, 205.089

Rectangle

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



20, 41.650, 35.421



20, 41.650, 85.421



20, 41.650, 215.421



20, 41.650, 265.421

Sweetspot

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



20, 41.648, 35.424



43, 13.480, 26.149



22, 50.932, 329.770



21, 9.291, 26.328



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



20, 41.648, 35.424



25, 59.230, 39.426



29, 34.904, 69.477



18, 2.204, 25.066



22, 53.962, 38.577



50, 99.010, 40.484

Inverse Universe

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



35, 21.745, 205.089



45, 27.355, 206.327



21, 30.966, 280.356



20, 2.091, 204.643



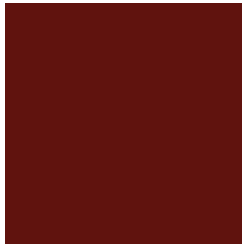
40, 25.347, 206.204



82, 44.130, 206.878

Previews

White Background



This preview shows how the CIELCh color 20, 41.650, 35.421 looks on a white background.

Color Contrast Check

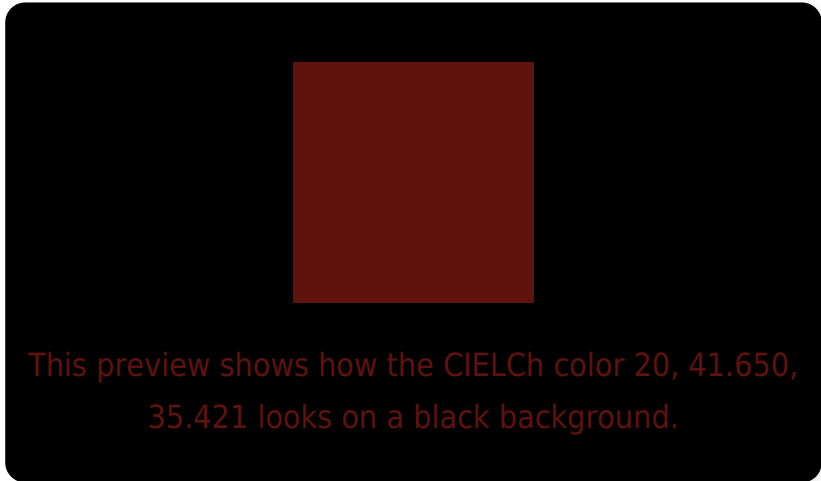
Large Text (above 18pt) WCAG AA ✓ Pass

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

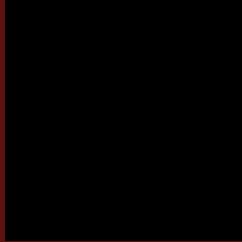
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 41.650, 35.421

Background



This preview shows how black text looks on a background with the CIELCh color 20, 41.650, 35.421.

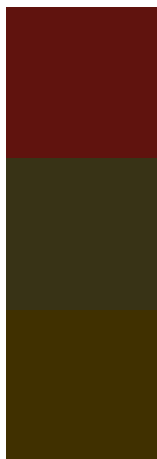


This preview shows how white text looks on a background with the CIELCh color 20, 41.650, 35.421.

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, 41.650, 35.421

Protanopia

21, 19.180, 97.575

Deuteranopia

21, 29.560, 85.805



Tritanopia
20, 40.565, 32.792

Trichromacy



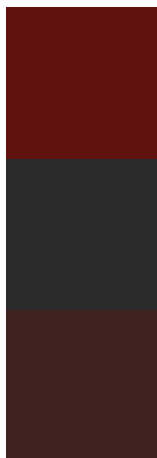
Original Color
20, 41.650, 35.421

Protanomaly
19, 23.274, 56.314

Deuteranomaly
20, 30.849, 58.988

Tritanomaly
20, 40.847, 33.509

Monochromacy



Original Color
20, 41.650, 35.421

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 14.943, 28.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 41.650, 35.421 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(96, 19, 14)` looks like.

```
.text, #text, p{  
    color:rgb(96, 19, 14)  
}
```

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(96, 19, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 19, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 41.650, 35.421 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(96, 19, 14) }
```

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

```
.border{ border-color:rgb(96, 19, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 19, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 19, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 19, 14);  
box-shadow:4px 4px 4px 4px rgb(96, 19, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 41.650, 35.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 19, 14) }
```

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

```
.background{ background-color: rgb(96, 19,  
14) }
```

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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