

Converting Colors

CIELCh(14, 20.295, 54.056)

Have a look what the booklet for
CIELCh(14, 20.295, 54.056) contains.

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Color

CIELCh(14, 20.137, 53.426)

Conversions

Conversions Part 1

Format	Color
Hex	381C0C
RGB	56, 28, 12
RGB Percent	22%, 11%, 5%
CMY	0.7786, 0.8886, 0.9544
CMYK	0.00, 0.50, 0.79, 0.78
HSL	22°, 66%, 13%
HSV	22°, 79%, 22%
XYZ	2.1456, 1.7298, 0.5569
YIQ	34.5480, 21.8240, 0.9600

Conversions

Conversions Part 2

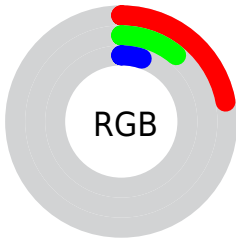
Format	Color
RYB	56, 37, 12
Decimal	3677196
CIELab	14.00, 12.00, 16.17
CIELCh	14, 20.137, 53.426
Yxy	1.7298, 0.4841, 0.3903
Android (android.graphics.Color)	4281867276 (0xFF381C0C)
YUV	34.5480, -11.1162, 18.8134
Hunter-Lab	13.1521, 6.1033, 6.6958

Details

The CIELCh color **14, 20.137, 53.426** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **15, 14.414, 254.528**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 19.746, 53.273**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 22.101, 50.825**, and if you desaturate by 10%, it is **15, 17.797, 55.506**.

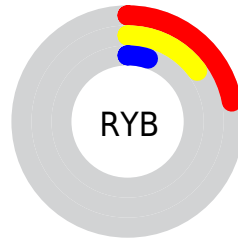
Distribution



Red (22%)

Green (11%)

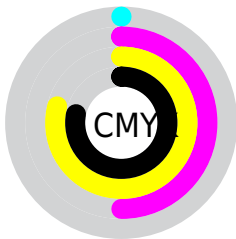
Blue (5%)



Red (22%)

Yellow (15%)

Blue (5%)

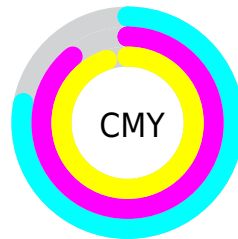


Cyan (0%)

Magenta (50%)

Yellow (79%)

Black (78%)



Cyan (78%)

Magenta (89%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 20.137, 53.426 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 14, 20.137, 53.426 by changing the saturation by 10% instead.

 14, 20.137, 53.426

 14, 20.137, 53.426

 100, 20.137,
53.426

 4, 20.137, 53.426

 34, 20.137, 53.426

 0, 20.137, 53.426

 44, 20.137, 53.426

 54, 20.137, 53.426

 64, 20.137, 53.426

 74, 20.137, 53.426

 84, 20.137, 53.426

 94, 20.137, 53.426

■ 14, 20.137, 53.426

■ 14, 20.137, 53.426

■ 13, 22.101, 50.825

■ 15, 17.797, 55.506

■ 12, 24.064, 48.788

■ 16, 14.928, 56.401

■ 12, 24.183, 48.683

■ 17, 12.059, 57.044

■ 19, 9.338, 57.730

■ 20, 6.766, 58.454

■ 21, 4.336, 59.202

■ 22, 2.041, 59.940

■ 24, 0.131, 242.287

■ 25, 2.191, 241.728

Harmonies

Complementary

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



14, 20.137, 53.426



15, 14.414, 254.528

Rectangle

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



14, 20.137, 53.426



14, 20.137, 103.426



14, 20.137, 233.426



14, 20.137, 283.426

Sweetspot

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



14, 20.137, 53.430



28, 6.838, 58.766



11, 26.441, 343.737



13, 4.761, 58.669



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



14, 20.137, 53.430



17, 31.022, 51.867



21, 24.612, 96.676



10, 1.193, 60.013



22, 40.102, 52.185



53, 81.306, 51.078

Inverse Universe

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



15, 14.414, 254.528



18, 20.505, 261.395



7, 29.095, 296.339



10, 1.159, 241.608



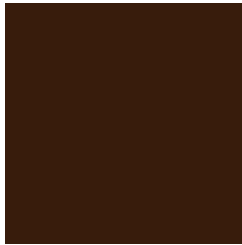
23, 25.303, 264.762



55, 50.384, 269.293

Previews

White Background



This preview shows how the CIE LCh color 14, 20.137, 53.426 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 14, 20.137, 53.426 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 14, 20.137, 53.426

Background



This preview shows how black text looks on a background with the CIELCh color 14, 20.137, 53.426.

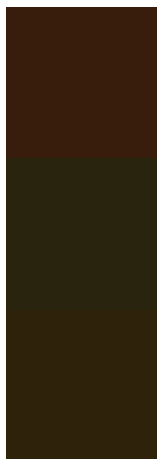


This preview shows how white text looks on a background with the CIELCh color 14, 20.137, 53.426.

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

14, 19.842, 52.528

Protanopia

14, 14.959, 95.302

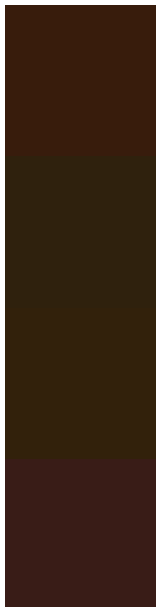
Deuteranopia

14, 17.212, 84.371



Tritanopia
14, 15.909, 19.262

Trichromacy



Original Color
14, 19.842, 52.528

Protanomaly
14, 15.695, 75.599

Deuteranomaly
14, 17.550, 72.179

Tritanomaly
14, 16.723, 35.550

Monochromacy



Original Color
14, 19.842, 52.528

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 6.919, 58.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 20.137, 53.426 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(56, 28, 12)` looks like.

```
.text, #text, p{  
    color:rgb(56, 28, 12)  
}
```

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(56, 28, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 28, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 20.137, 53.426 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(56, 28, 12) }
```

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

```
.border{ border-color:rgb(56, 28, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 28, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 28, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 28, 12);  
box-shadow:4px 4px 4px 4px rgb(56, 28, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 20.137, 53.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 28, 12) }
```

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

```
.background{ background-color: rgb(56, 28,  
12) }
```

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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