

Converting Colors

CIELCh(20, 42.565, 60.689)

Have a look what the booklet for
CIELCh(20, 42.565, 60.689) contains.

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Color

CIELCh(20, 36.456, 54.238)

Conversions

Conversions Part 1

Format	Color
Hex	542200
RGB	84, 34, 0
RGB Percent	33%, 13%, 0%
CMY	0.6722, 0.8680, 1.0000
CMYK	0.00, 0.60, 1.00, 0.67
HSL	24°, 100%, 16%
HSV	24°, 100%, 33%
XYZ	4.1793, 2.9891, 0.3426
YIQ	45.0740, 40.7140, 0.0260

Conversions

Conversions Part 2

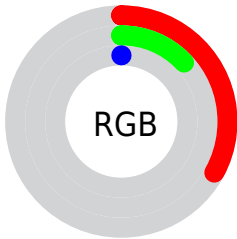
Format	Color
R_YB	84, 57, 0
Decimal	5513728
CIE _{Lab}	20.00, 21.31, 29.58
CIE _{LCh}	20, 36.456, 54.238
Yxy	2.9891, 0.5564, 0.3980
Android (android.graphics.Color)	4283703808 (0xFF542200)
YUV	45.0740, -22.2215, 34.1381
Hunter-Lab	17.2889, 12.8936, 10.9273

Details

The CIELCh color **20, 36.456, 54.238** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **20, 24.712, 268.123**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 36.310, 54.397**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **20, 36.309, 54.037**, and if you desaturate by 10%, it is **21, 33.134, 55.685**.

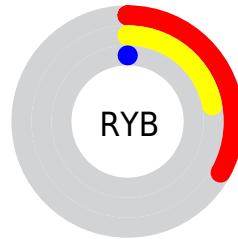
Distribution



Red (33%)

Green (13%)

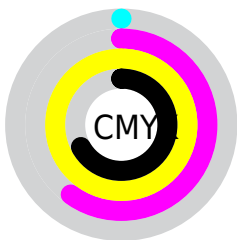
Blue (0%)



Red (33%)

Yellow (22%)

Blue (0%)

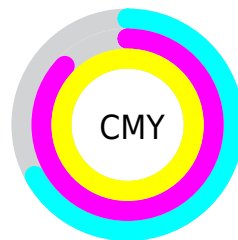


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (67%)



Cyan (67%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 36.456, 54.238 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, 36.456, 54.238 by changing the saturation by 10% instead.

 20, 36.456, 54.238

 20, 36.456, 54.238

 100, 36.456,
54.238

 10, 36.456, 54.238

 0, 36.456, 54.238

 40, 36.456, 54.238

 50, 36.456, 54.238

 60, 36.456, 54.238

 70, 36.456, 54.238

 80, 36.456, 54.238

 90, 36.456, 54.238

 20, 36.456, 54.238

 20, 36.456, 54.238

■ 20, 36.309, 54.037

■ 21, 33.134, 55.685

■ 23, 29.529, 57.240

■ 24, 25.303, 58.082

■ 26, 21.133, 58.881

■ 27, 17.117, 59.693

■ 29, 13.296, 60.537

■ 30, 9.682, 61.411

■ 32, 6.269, 62.307

■ 34, 3.046, 63.193

Harmonies

Complementary

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



20, 36.456, 54.238



20, 24.712, 268.123

Rectangle

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



20, 36.456, 54.238



20, 36.456, 104.238



20, 36.456, 234.238



20, 36.456, 284.238

Sweetspot

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



20, 36.309, 54.037



40, 12.150, 61.317



16, 39.429, 350.242



19, 8.420, 61.090



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



20, 36.309, 54.037



27, 46.618, 54.619



32, 40.347, 96.581



16, 1.662, 63.303



26, 44.716, 54.592



57, 83.620, 52.732

Inverse Universe

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



20, 24.712, 268.123



27, 30.642, 270.074



7, 53.566, 303.304



16, 1.613, 245.168



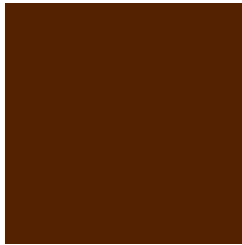
25, 29.503, 269.765



56, 55.806, 273.493

Previews

White Background



This preview shows how the CIELCh color 20, 36.456, 54.238 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 CIELCh color 20, 36.456, 54.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

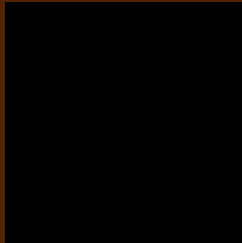
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 36.456, 54.238

Background



This preview shows how black text looks on a background with the CIELCh color 20, 36.456, 54.238.



This preview shows how white text looks on a background with the CIELCh color 20, 36.456, 54.238.

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, 36.456, 54.238

Protanopia

21, 25.854, 96.730

Deuteranopia

20, 29.043, 85.506



Tritanopia
20, 27.298, 24.244

Trichromacy



Original Color
20, 36.456, 54.238

Protanomaly
20, 27.203, 76.880

Deuteranomaly
20, 30.121, 71.890

Tritanomaly
20, 30.328, 39.519

Monochromacy



Original Color
20, 36.456, 54.238

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.943, 59.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 36.456, 54.238 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(84, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 34, 0)  
}
```

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(84, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 34, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 36.456, 54.238 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(84, 34, 0) }
```

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

```
.border{ border-color:rgb(84, 34, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 34, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 34, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 34, 0); box-shadow:4px  
4px 4px 4px rgb(84, 34, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 36.456, 54.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 34, 0) }
```

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

```
.background{ background-color: rgb(84, 34,  
0) }
```

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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