

Converting Colors

CIELCh(36, 50.186, 23.288)

Have a look what the booklet for
CIELCh(36, 50.186, 23.288) contains.

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Color

CIELCh(36, 50.052, 22.821)

Conversions

Conversions Part 1

Format	Color
Hex	9A2C38
RGB	154, 44, 56
RGB Percent	60%, 17%, 22%
CMY	0.3949, 0.8263, 0.7795
CMYK	0.00, 0.71, 0.64, 0.39
HSL	353°, 55%, 39%
HSV	353°, 71%, 61%
XYZ	15.0117, 9.0082, 4.7170
YIQ	78.2580, 61.7080, 27.0520

Conversions

Conversions Part 2

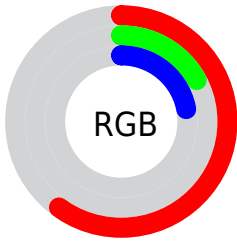
Format	Color
RYB	154, 44, 56
Decimal	10103864
CIELab	36.00, 46.13, 19.41
CIElCh	36, 50.052, 22.821
Yxy	9.0082, 0.5224, 0.3135
Android (android.graphics.Color)	4288293944 (0xFF9A2C38)
YUV	78.2580, -10.9732, 66.4257
Hunter-Lab	30.0136, 36.7556, 11.6914

Details

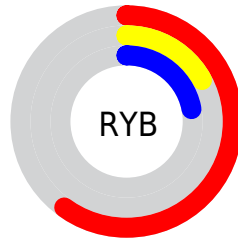
The CIELCh color **36, 50.052, 22.821** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **58, 33.256, 184.533**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 49.972, 22.434**, and **18, 45.195, 28.895** is the 20% darker color. If you saturate the color by 10%, you get **34, 56.704, 26.666**, and if you desaturate by 10%, it is **39, 42.885, 19.687**.

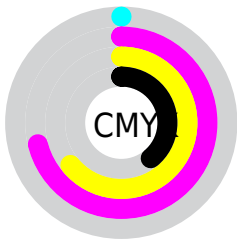
Distribution



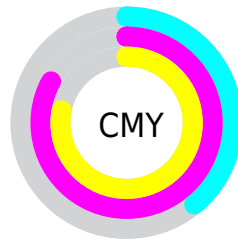
- Red (60%)
- Green (17%)
- Blue (22%)



- Red (60%)
- Yellow (17%)
- Blue (22%)



- Cyan (0%)
- Magenta (71%)
- Yellow (64%)
- Black (39%)



- Cyan (39%)
- Magenta (83%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 50.052, 22.821 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 36, 50.052, 22.821 by changing the saturation by 10% instead.

 36, 50.052, 22.821

 36, 50.052, 22.821

 100, 50.052,
22.821

 26, 50.052, 22.821

 56, 50.052, 22.821

 16, 50.052, 22.821

 66, 50.052, 22.821

 6, 50.052, 22.821

 76, 50.052, 22.821

 0, 50.052, 22.821

 86, 50.052, 22.821

 96, 50.052, 22.821

 36, 50.052, 22.821

 36, 50.052, 22.821

 34, 56.704, 26.666

 39, 42.885, 19.687

■ 32, 62.647, 31.084

■ 42, 35.446, 17.196

■ 32, 67.278, 34.723

■ 46, 27.975, 15.230

■ 50, 20.671, 13.666

■ 54, 13.665, 12.402

■ 59, 7.028, 11.349

■ 63, 0.784, 10.001

■ 68, 5.071, 189.935

■ 72, 10.560,
189.279

Harmonies

Complementary

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



36, 50.052, 22.821



58, 33.256, 184.533

Rectangle

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



36, 50.052, 22.821



36, 50.052, 72.821



36, 50.052, 202.821



36, 50.052, 252.821

Sweetspot

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



36, 50.050, 22.823



69, 16.751, 12.416



38, 68.195, 324.002



35, 11.515, 12.716



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 50.050, 22.823



44, 73.853, 29.455



44, 43.459, 55.850



30, 3.469, 11.145



28, 62.459, 34.302



1, 3.646, 10.604

Inverse Universe

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



36, 50.050, 22.823



44, 73.853, 29.455



45, 29.858, 256.529



30, 3.469, 11.145



28, 62.459, 34.302



1, 3.646, 10.604

Previews

White Background



This preview shows how the CIELCh color 36, 50.052, 22.821 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 36, 50.052, 22.821 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 36, 50.052, 22.821

Background



This preview shows how black text looks on a background with the CIELCh color 36, 50.052, 22.821.



This preview shows how white text looks on a background with the CIELCh color 36, 50.052, 22.821.

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

36, 50.052, 22.821

Protanopia

37, 8.204, 96.134

Deuteranopia

36, 22.122, 77.619



Tritanopia
36, 51.158, 28.781

Trichromacy



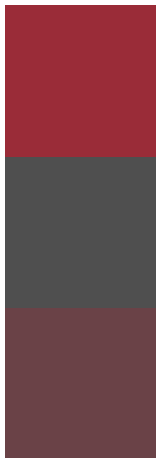
Original Color
36, 50.052, 22.821

Protanomaly
35, 20.075, 29.504

Deuteranomaly
35, 28.872, 41.556

Tritanomaly
36, 50.749, 26.492

Monochromacy



Original Color
36, 50.052, 22.821

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 18.568, 13.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 50.052, 22.821 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(154, 44, 56)` looks like.

```
.text, #text, p{  
    color:rgb(154, 44, 56)  
}
```

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(154, 44, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 44, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 50.052, 22.821 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(154, 44, 56) }
```

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

```
.border{ border-color:rgb(154, 44, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 44, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 44, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 44, 56);  
box-shadow:4px 4px 4px 4px rgb(154, 44,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 50.052, 22.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 44, 56) }
```

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

```
.background{ background-color: rgb(154, 44,  
56) }
```

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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