

Converting Colors

CIELCh(42, 66.697, 18.318)

Have a look what the booklet for
CIELCh(42, 66.697, 18.318) contains.

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Color

CIELCh(42, 66.738, 18.634)

Conversions

Conversions Part 1

Format	Color
Hex	C11B44
RGB	193, 27, 68
RGB Percent	76%, 11%, 27%
CMY	0.2439, 0.8951, 0.7339
CMYK	0.00, 0.86, 0.65, 0.24
HSL	345°, 76%, 43%
HSV	345°, 86%, 76%
XYZ	23.3700, 12.5000, 6.6282
YIQ	81.3080, 85.7750, 47.9430

Conversions

Conversions Part 2

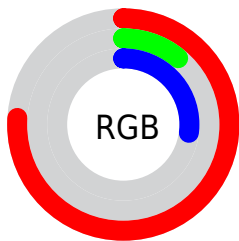
Format	Color
R_{YB}	193, 27, 68
Decimal	12655428
CIE Lab	42.00, 63.24, 21.32
CIE LCh	42, 66.738, 18.634
Yxy	12.5000, 0.5499, 0.2941
Android (android.graphics.Color)	4290845508 (0xFFC11B44)
YUV	81.3080, -6.5608, 97.9539
Hunter-Lab	35.3553, 56.1171, 13.6335

Details

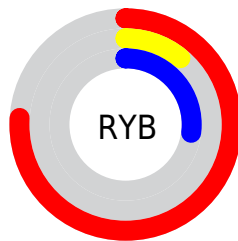
The CIELCh color **42, 66.738, 18.634** is a dark color, and the websafe version is hex **990033**. The color can be described as dark washed red. A complement of this color would be **70, 50.146, 168.923**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.423, 18.457**, and **27, 56.306, 27.992** is the 20% darker color. If you saturate the color by 10%, you get **41, 71.411, 23.842**, and if you desaturate by 10%, it is **44, 61.010, 14.251**.

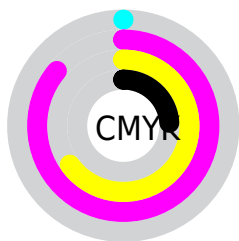
Distribution



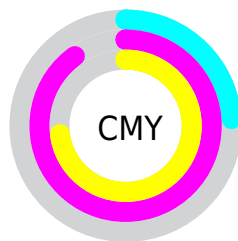
- Red (76%)
- Green (11%)
- Blue (27%)



- Red (76%)
- Yellow (11%)
- Blue (27%)



- Cyan (0%)
- Magenta (86%)
- Yellow (65%)
- Black (24%)



- Cyan (24%)
- Magenta (90%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 66.738, 18.634 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 42, 66.738, 18.634 by changing the saturation by 10% instead.

 42, 66.738, 18.634

 42, 66.738, 18.634

 100, 66.738,
18.634

 32, 66.738, 18.634

 62, 66.738, 18.634

 22, 66.738, 18.634

 72, 66.738, 18.634

 12, 66.738, 18.634

 82, 66.738, 18.634

 2, 66.738, 18.634

 92, 66.738, 18.634

 0, 66.738, 18.634

 42, 66.738, 18.634

 42, 66.738, 18.634

 41, 71.411, 23.842

 44, 61.010, 14.251

 40, 73.188, 25.856

 47, 54.160, 10.729

■ 51, 46.396, 7.943

■ 55, 38.065, 5.733

■ 59, 29.506, 3.953

■ 64, 20.989, 2.490

■ 69, 12.691, 1.258

■ 75, 4.715, 0.157

■ 80, 2.894, 179.527

Harmonies

Complementary

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



42, 66.738, 18.634



70, 50.146, 168.923

Rectangle

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



42, 66.738, 18.634



42, 66.738, 68.634



42, 66.738, 198.634



42, 66.738, 248.634

Sweetspot

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



42, 66.735, 18.636



81, 25.792, 2.528



40, 91.305, 319.609



41, 17.591, 3.010



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 66.735, 18.636



53, 89.587, 26.830



46, 68.590, 45.479



38, 4.410, 0.512



33, 63.554, 25.008



3, 14.429, 6.142

Inverse Universe

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



42, 66.735, 18.636



53, 89.587, 26.830



58, 35.032, 240.426



38, 4.410, 0.512



33, 63.554, 25.008



3, 14.429, 6.142

Previews

White Background



This preview shows how the CIELCh color 42, 66.738, 18.634 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 66.738, 18.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

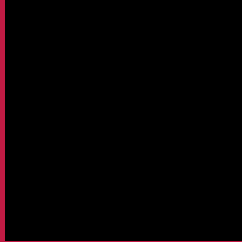
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 66.738, 18.634

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.738, 18.634.



This preview shows how white text looks on a background with the CIELCh color 42, 66.738, 18.634.

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

42, 66.738, 18.634

Protanopia

43, 2.190, 74.655

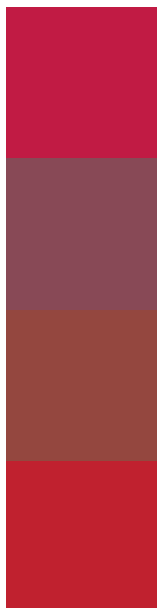
Deuteranopia

43, 25.122, 77.122



Tritanopia
42, 72.271, 34.590

Trichromacy



Original Color
42, 66.738, 18.634

Protanomaly
39, 28.570, 8.626

Deuteranomaly
40, 37.415, 32.291

Tritanomaly
42, 69.567, 29.322

Monochromacy



Original Color
42, 66.738, 18.634

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 28.411, 6.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.738, 18.634 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(193, 27, 68)` looks like.

```
.text, #text, p{  
    color:rgb(193, 27, 68)  
}
```

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(193, 27, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 27, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.738, 18.634 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(193, 27, 68) }
```

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

```
.border{ border-color:rgb(193, 27, 68) }
```

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

Here you see how a box with a 4 pixel rgb(193, 27, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 27, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 27, 68);  
box-shadow:4px 4px 4px 4px rgb(193, 27,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.738, 18.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 27, 68) }
```

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

```
.background{ background-color: rgb(193, 27,  
68) }
```

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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