

Converting Colors

CIELCh(23, 13.774, 351.434)

Have a look what the booklet for
CIELCh(23, 13.774, 351.434)
contains.

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Color

CIELCh(23, 13.984, 351.282)

Conversions

Conversions Part 1

Format	Color
Hex	492F3A
RGB	73, 47, 58
RGB Percent	29%, 18%, 23%
CMY	0.7123, 0.8143, 0.7712
CMYK	0.00, 0.35, 0.20, 0.71
HSL	335°, 22%, 24%
HSV	335°, 35%, 29%
XYZ	4.5784, 3.8003, 4.5417
YIQ	56.0280, 11.9650, 8.9330

Conversions

Conversions Part 2

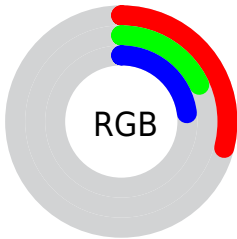
Format	Color
RYB	73, 47, 58
Decimal	4796218
CIELab	23.00, 13.82, -2.12
CIElCh	23, 13.984, 351.282
Yxy	3.8003, 0.3544, 0.2941
Android (android.graphics.Color)	4282986298 (0xFF492F3A)
YUV	56.0280, 0.9722, 14.8844
Hunter-Lab	19.4944, 7.8066, -0.1669

Details

The CIELCh color **23, 13.984, 351.282** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 13.213, 164.931**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 14.087, 350.769**, and **3, 14.110, 352.676** is the 20% darker color. If you saturate the color by 10%, you get **21, 17.957, 352.507**, and if you desaturate by 10%, it is **25, 9.969, 350.216**.

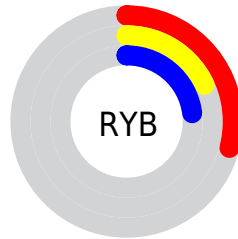
Distribution



Red (29%)

Green (18%)

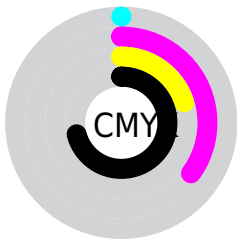
Blue (23%)



Red (29%)

Yellow (18%)

Blue (23%)

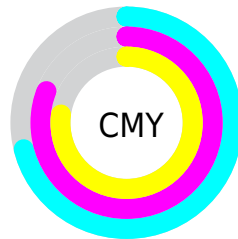


Cyan (0%)

Magenta (35%)

Yellow (20%)

Black (71%)



Cyan (71%)


Magenta (81%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 13.984, 351.282 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 23, 13.984, 351.282 by changing the saturation by 10% instead.

 23, 13.984,
351.282


 23, 13.984,
351.282

 100, 13.984,
351.282


 13, 13.984,
351.282


 43, 13.984,
351.282


 3, 13.984, 351.282

 53, 13.984,
351.282

 0, 13.984, 351.282

 63, 13.984,
351.282

 73, 13.984,
351.282

 83, 13.984,
351.282

 93, 13.984,

351.282

■ 23, 13.984,
351.282

■ 23, 13.984,
351.282

■ 21, 17.957,
352.507

■ 25, 9.969, 350.216

■ 28, 5.989, 349.263

■ 19, 21.788,
353.936

■ 30, 2.091, 348.356

■ 17, 25.337,
355.638

■ 32, 1.699, 167.821

■ 16, 28.444,
357.706

■ 35, 5.366, 167.041

■ 37, 8.906, 166.387

■ 14, 30.954, 0.254

■ 40, 12.321,
165.791

■ 13, 33.225, 2.956

■ 13, 34.382, 4.037

■ 42, 15.615,

165.241

■ 44, 18.796,
164.730

Harmonies

Complementary

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



23, 13.984, 351.282



29, 13.213, 164.931

Rectangle

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



23, 13.984, 351.282



23, 13.984, 41.282



23, 13.984, 171.282



23, 13.984, 221.282

Sweetspot

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



23, 13.983, 351.284



37, 5.218, 348.898



22, 18.544, 312.807



18, 3.539, 348.951



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



23, 13.983, 351.284



28, 20.920, 352.392



23, 12.117, 27.199



13, 2.090, 348.643



19, 42.321, 6.249



48, 77.481, 10.196

Inverse Universe

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



23, 13.983, 351.284



28, 20.920, 352.392



29, 9.668, 204.667



13, 2.090, 348.643



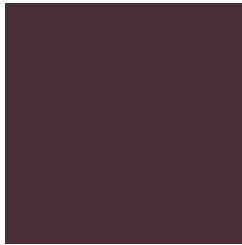
19, 42.321, 6.249



48, 77.481, 10.196

Previews

White Background



This preview shows how the CIE LCh color 23, 13.984, 351.282 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 23, 13.984, 351.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

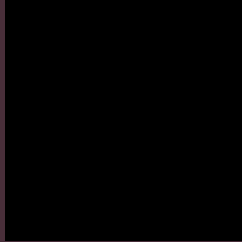
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 13.984, 351.282

Background



This preview shows how black text looks on a background with the CIELCh color 23, 13.984, 351.282.



This preview shows how white text looks on a background with the CIELCh color 23, 13.984, 351.282.

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

23, 13.984, 351.282

Protanopia

23, 5.343, 286.693

Deuteranopia

23, 3.415, 344.319



Tritanopia
23, 12.261, 9.719

Trichromacy



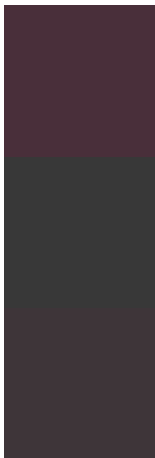
Original Color
23, 13.984, 351.282

Protanomaly
23, 7.270, 325.127

Deuteranomaly
23, 6.881, 352.033

Tritanomaly
23, 12.461, 3.704

Monochromacy



Original Color
23, 13.984, 351.282

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 4.940, 347.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 13.984, 351.282 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(73, 47, 58)` looks like.

```
.text, #text, p{  
    color:rgb(73, 47, 58)  
}
```

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(73, 47, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 47, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 13.984, 351.282 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(73, 47, 58) }
```

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

```
.border{ border-color:rgb(73, 47, 58) }
```

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

Here you see how a box with a 4 pixel rgb(73, 47, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 47, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 47, 58);  
box-shadow:4px 4px 4px 4px rgb(73, 47, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 13.984, 351.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 47, 58) }
```

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

```
.background{ background-color: rgb(73, 47,  
58) }
```

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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