

Converting Colors

CIELCh(23, 15.152, 354.653)

Have a look what the booklet for
CIELCh(23, 15.152, 354.653)
contains.

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Color

CIELCh(23, 15.221, 354.501)

Conversions

Conversions Part 1

Format	Color
Hex	4B2E39
RGB	75, 46, 57
RGB Percent	29%, 18%, 22%
CMY	0.7041, 0.8180, 0.7748
CMYK	0.00, 0.38, 0.24, 0.70
HSL	337°, 24%, 24%
HSV	337°, 38%, 30%
XYZ	4.6794, 3.8003, 4.4131
YIQ	55.9250, 13.7530, 9.5690

Conversions

Conversions Part 2

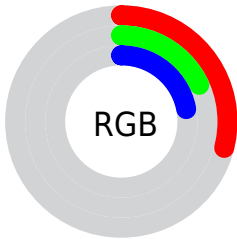
Format	Color
R_{YB}	75, 46, 57
Decimal	4927033
CIE _{Lab}	23.00, 15.15, -1.46
CIE _{LCh}	23, 15.221, 354.501
Yxy	3.8003, 0.3629, 0.2948
Android (android.graphics.Color)	4283117113 (0xFF4B2E39)
YUV	55.9250, 0.5300, 16.7288
Hunter-Lab	19.4944, 8.7317, 0.2243

Details

The CIELCh color **23, 15.221, 354.501** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **30, 14.121, 167.247**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 15.592, 354.298**, and **3, 14.499, 355.677** is the 20% darker color. If you saturate the color by 10%, you get **21, 19.213, 355.872**, and if you desaturate by 10%, it is **25, 11.178, 353.326**.

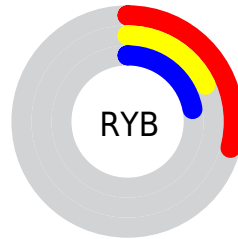
Distribution



Red (29%)

Green (18%)

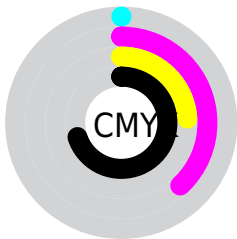
Blue (22%)



Red (29%)

Yellow (18%)

Blue (22%)

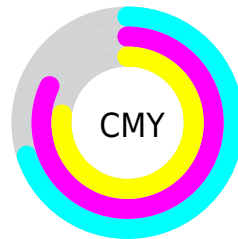


Cyan (0%)

Magenta (38%)

Yellow (24%)

Black (70%)



Cyan (70%)


Magenta (82%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 15.221, 354.501 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, 15.221, 354.501 by changing the saturation by 10% instead.

 23, 15.221,
354.501


 23, 15.221,
354.501

 100, 15.221,
354.501


 13, 15.221,
354.501


 43, 15.221,
354.501


 3, 15.221, 354.501

 53, 15.221,
354.501

 0, 15.221, 354.501

 63, 15.221,
354.501

 73, 15.221,
354.501

 83, 15.221,
354.501

 93, 15.221,

354.501

■ 23, 15.221,
354.501

■ 23, 15.221,
354.501

■ 21, 19.213,
355.872

■ 25, 11.178,
353.326

■ 19, 23.044,
357.497

■ 28, 7.168, 352.293

■ 17, 26.566,
359.462

■ 30, 3.242, 351.350

■ 32, 0.568, 171.003

■ 16, 29.620, 1.877

■ 35, 4.248, 169.929

■ 15, 32.082, 4.852

■ 37, 7.793, 169.237

■ 13, 34.590, 7.720

■ 40, 11.205,
168.615

■ 13, 35.008, 8.112

■ 42, 14.488,
168.044

■ 45, 17.652,
167.518

Harmonies

Complementary

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



23, 15.221, 354.501



30, 14.121, 167.247

Rectangle

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



23, 15.221, 354.501



23, 15.221, 44.501



23, 15.221, 174.501



23, 15.221, 224.501

Sweetspot

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



23, 15.220, 354.503



37, 5.677, 351.717



22, 20.811, 314.558



18, 3.717, 351.759



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, 15.220, 354.503



28, 22.430, 355.750



24, 13.063, 31.621



14, 2.159, 351.369



20, 43.192, 10.444



49, 78.838, 14.534

Inverse Universe

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



23, 15.220, 354.503



28, 22.430, 355.750



29, 10.159, 210.467



14, 2.159, 351.369



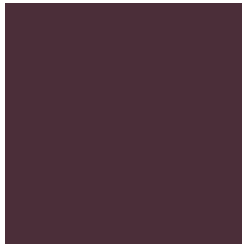
20, 43.192, 10.444



49, 78.838, 14.534

Previews

White Background



This preview shows how the CIE LCh color 23, 15.221, 354.501 looks on a white background.

Color Contrast Check

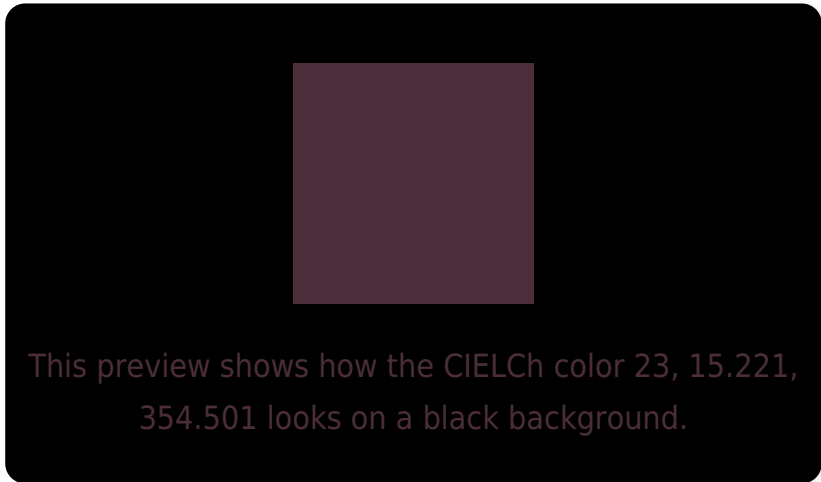
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

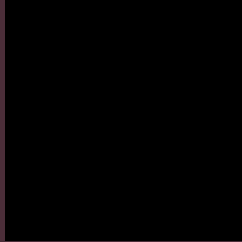
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 15.221, 354.501

Background



This preview shows how black text looks on a background with the CIELCh color 23, 15.221, 354.501.



This preview shows how white text looks on a background with the CIELCh color 23, 15.221, 354.501.

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, 15.221, 354.501

Protanopia

23, 5.343, 286.693

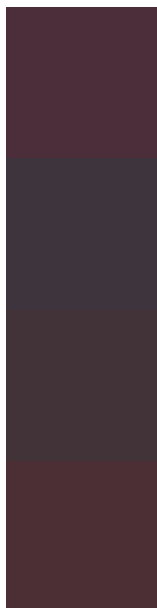
Deuteranopia

23, 3.083, 354.437



Tritanopia
23, 13.192, 13.719

Trichromacy



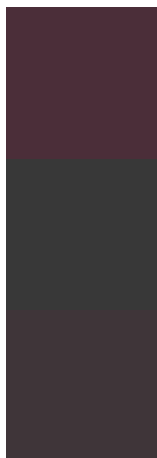
Original Color
23, 15.221, 354.501

Protanomaly
23, 7.528, 328.067

Deuteranomaly
23, 8.014, 351.326

Tritanomaly
23, 13.879, 6.054

Monochromacy



Original Color
23, 15.221, 354.501

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 5.338, 350.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 15.221, 354.501 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(75, 46, 57)` looks like.

```
.text, #text, p{  
    color:rgb(75, 46, 57)  
}
```

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(75, 46, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 46, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 15.221, 354.501 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(75, 46, 57) }
```

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

```
.border{ border-color:rgb(75, 46, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 46, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 46, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 46, 57);  
box-shadow:4px 4px 4px 4px rgb(75, 46, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 15.221, 354.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 46, 57) }
```

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

```
.background{ background-color: rgb(75, 46,  
57) }
```

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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