

Converting Colors

CIELCh(24, 31.581, 47.797)

Have a look what the booklet for
CIELCh(24, 31.581, 47.797) contains.

CIELCh(24, 31.373, 47.656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(24, 31.373, 47.656)

Conversions

Conversions Part 1

Format	Color
Hex	5D2B17
RGB	93, 43, 23
RGB Percent	36%, 17%, 9%
CMY	0.6359, 0.8318, 0.9102
CMYK	0.00, 0.54, 0.75, 0.64
HSL	17°, 60%, 23%
HSV	17°, 75%, 36%
XYZ	5.5129, 4.1002, 1.3056
YIQ	55.6700, 36.2200, 4.3800

Conversions

Conversions Part 2

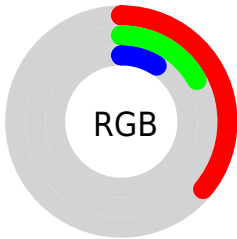
Format	Color
RYB	93, 51, 23
Decimal	6105879
CIELab	24.00, 21.13, 23.19
CIElCh	24, 31.373, 47.656
Yxy	4.1002, 0.5049, 0.3755
Android (android.graphics.Color)	4284295959 (0xFF5D2B17)
YUV	55.6700, -16.1063, 32.7384
Hunter-Lab	20.2490, 13.1621, 10.3513

Details

The CIELCh color **24, 31.373, 47.656** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **29, 18.967, 241.122**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 31.160, 47.817**, and **5, 21.736, 19.713** is the 20% darker color. If you saturate the color by 10%, you get **22, 36.293, 47.583**, and if you desaturate by 10%, it is **26, 26.394, 47.621**.

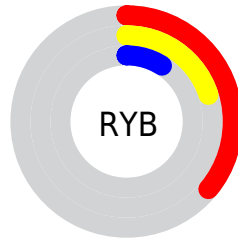
Distribution



Red (36%)

Green (17%)

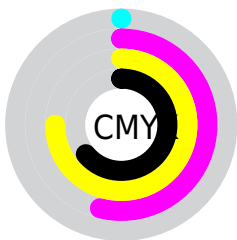
Blue (9%)



Red (36%)

Yellow (20%)

Blue (9%)

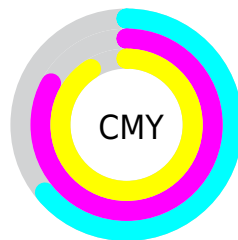


Cyan (0%)

Magenta (54%)

Yellow (75%)

Black (64%)



Cyan (64%)

Magenta (83%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 31.373, 47.656 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 24, 31.373, 47.656 by changing the saturation by 10% instead.

■ 24, 31.373, 47.656

■ 24, 31.373, 47.656

■ 100, 31.373,
47.656

■ 14, 31.373, 47.656

■ 44, 31.373, 47.656

■ 4, 31.373, 47.656

■ 54, 31.373, 47.656

■ 0, 31.373, 47.656

■ 64, 31.373, 47.656

■ 74, 31.373, 47.656

■ 84, 31.373, 47.656

■ 94, 31.373, 47.656

■ 24, 31.373, 47.656

■ 24, 31.373, 47.656

■ 22, 36.293, 47.583

■ 26, 26.394, 47.621

■ 21, 40.249, 46.513

■ 28, 21.604, 47.672

■ 20, 41.991, 46.170

■ 30, 17.074, 47.839

■ 32, 12.828, 48.116

■ 34, 8.868, 48.487

■ 36, 5.179, 48.924

■ 38, 1.742, 49.332

■ 40, 1.467, 230.265

■ 43, 4.472, 230.724

Harmonies

Complementary

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



24, 31.373, 47.656



29, 18.967, 241.122

Rectangle

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



24, 31.373, 47.656



24, 31.373, 97.656



24, 31.373, 227.656



24, 31.373, 277.656

Sweetspot

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



24, 31.372, 47.659



44, 9.868, 48.556



22, 39.565, 339.414



21, 6.948, 48.452



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



24, 31.372, 47.659



29, 47.742, 47.577



34, 33.351, 90.746



18, 1.829, 49.213



25, 48.943, 46.965



54, 90.703, 46.259

Inverse Universe

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



29, 18.967, 241.122



35, 25.545, 247.246



17, 37.771, 293.231



18, 1.750, 230.452



31, 25.261, 250.830



65, 45.661, 254.280

Previews

White Background



This preview shows how the CIE LCh color 24, 31.373, 47.656 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 24, 31.373, 47.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

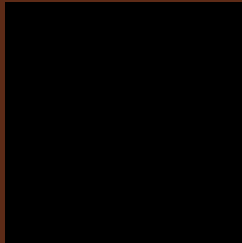
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 31.373, 47.656

Background



This preview shows how black text looks on a background with the CIELCh color 24, 31.373, 47.656.

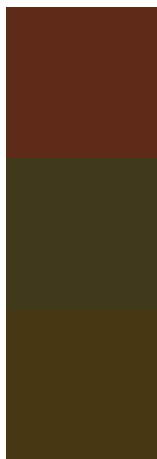


This preview shows how white text looks on a background with the CIELCh color 24, 31.373, 47.656.

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

24, 31.373, 47.656

Protanopia

24, 20.193, 96.793

Deuteranopia

24, 24.428, 82.898



Tritanopia
24, 26.482, 22.936

Trichromacy



Original Color
24, 31.373, 47.656

Protanomaly
24, 21.302, 74.056

Deuteranomaly
24, 25.780, 67.703

Tritanomaly
24, 27.627, 33.133

Monochromacy



Original Color
24, 31.373, 47.656

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 10.270, 47.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 31.373, 47.656 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(93, 43, 23)` looks like.

```
.text, #text, p{  
    color:rgb(93, 43, 23)  
}
```

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(93, 43, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 43, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 31.373, 47.656 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(93, 43, 23) }
```

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

```
.border{ border-color:rgb(93, 43, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 43, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 43, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 43, 23);  
box-shadow:4px 4px 4px 4px rgb(93, 43, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 31.373, 47.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 43, 23) }
```

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

```
.background{ background-color: rgb(93, 43,  
23) }
```

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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