

Converting Colors

CIELCh(24, 2.445, 65.414)

Have a look what the booklet for
CIELCh(24, 2.445, 65.414) contains.

CIELCh(24, 2.284, 54.927)	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, 2.284, 54.927)

Conversions

Conversions Part 1

Format	Color
Hex	3C3836
RGB	60, 56, 54
RGB Percent	24%, 22%, 21%
CMY	0.7634, 0.7791, 0.7870
CMYK	0.00, 0.07, 0.10, 0.76
HSL	20°, 5%, 22%
HSV	20°, 10%, 24%
XYZ	3.9868, 4.1002, 4.1112
YIQ	56.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

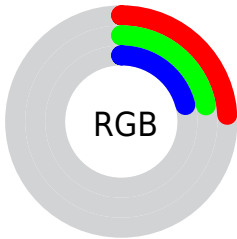
Format	Color
RYB	60, 57, 54
Decimal	3946550
CIELab	24.00, 1.31, 1.87
CIElCh	24, 2.284, 54.927
Yxy	4.1002, 0.3268, 0.3361
Android (android.graphics.Color)	4282136630 (0xFF3C3836)
YUV	56.9680, -1.4632, 2.6591
Hunter-Lab	20.2490, -0.2910, 2.1366

Details

The CIELCh color $[24, 2.284, 54.927]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[24, 2.190, 236.574]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 2.045, 55.129]$, and $[4, 2.254, 55.051]$ is the 20% darker color. If you saturate the color by 10%, you get $[23, 4.723, 54.344]$, and if you desaturate by 10%, it is $[25, 0.013, 252.680]$.

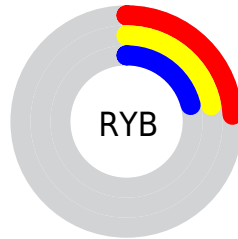
Distribution



Red (24%)

Green (22%)

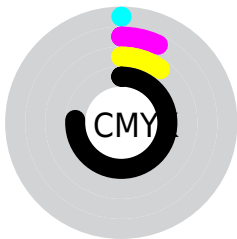
Blue (21%)



Red (24%)

Yellow (22%)

Blue (21%)

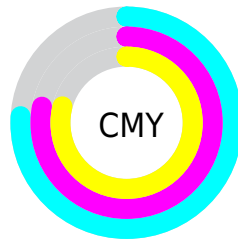


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (76%)



Cyan (76%)

Magenta (78%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 2.284, 54.927 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, 2.284, 54.927 by changing the saturation by 10% instead.

■ 24, 2.284, 54.927 ■ 24, 2.284, 54.927

■ 100, 2.284, 54.927 ■ 14, 2.284, 54.927

■ 44, 2.284, 54.927 ■ 4, 2.284, 54.927

■ 54, 2.284, 54.927 ■ 0, 2.284, 54.927

■ 64, 2.284, 54.927

■ 74, 2.284, 54.927

■ 84, 2.284, 54.927

■ 94, 2.284, 54.927

■ 24, 2.284, 54.927 ■ 24, 2.284, 54.927

■ 23, 4.723, 54.344 ■ 25, 0.013, 252.680

■ 21, 7.319, 53.744	■ 27, 2.178, 236.525
■ 20, 10.082, 53.188	■ 28, 4.226, 237.189
■ 18, 13.018, 52.691	■ 30, 6.170, 237.886
■ 17, 16.127, 52.263	■ 31, 8.020, 238.586
■ 16, 19.328, 51.755	■ 33, 9.788, 239.280
■ 15, 22.026, 50.035	■ 34, 11.481, 239.964
■ 13, 24.271, 47.641	■ 36, 13.108, 240.634
■ 12, 26.482, 45.846	■ 37, 14.676, 241.287

Harmonies

Complementary

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



24, 2.284, 54.927



24, 2.190, 236.574

Rectangle

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



24, 2.284, 54.927



24, 2.284, 104.927



24, 2.284, 234.927



24, 2.284, 284.927

Sweetspot

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



24, 2.284, 54.952



33, 0.843, 55.211



23, 3.837, 336.232



16, 0.646, 55.218



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 2.284, 54.952



31, 3.477, 54.798



25, 3.314, 101.370



11, 1.283, 55.037



22, 41.801, 49.351



52, 83.936, 48.714

Inverse Universe

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



24, 2.190, 236.574



32, 3.293, 236.778



23, 3.357, 283.347



11, 1.239, 236.466



25, 24.143, 258.396



58, 46.993, 262.779

Previews

White Background



This preview shows how the CIELCh color 24, 2.284, 54.927 looks on a white background.

Color Contrast Check

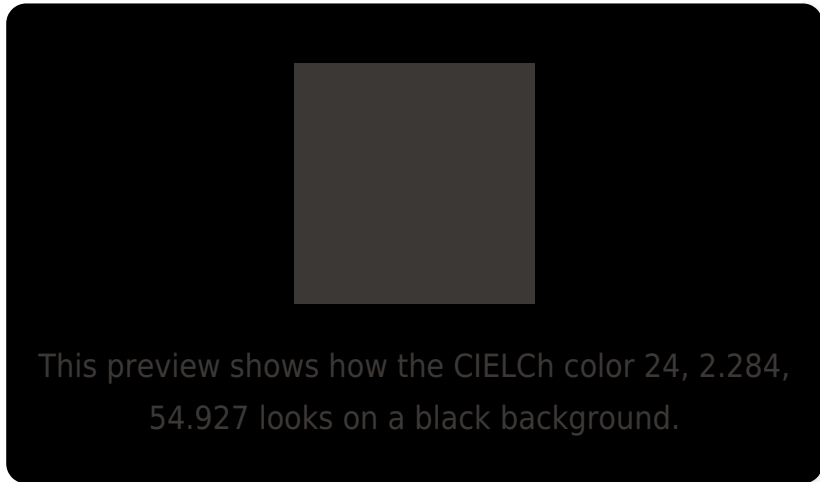
Large Text (above 18pt) WCAG AA ✓ Pass

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

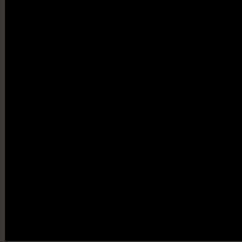
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

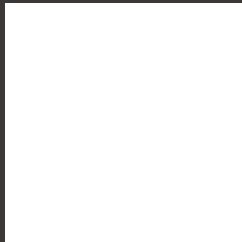
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 2.284, 54.927

Background



This preview shows how black text looks on a background with the CIELCh color 24, 2.284, 54.927.



This preview shows how white text looks on a background with the CIELCh color 24, 2.284, 54.927.

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, 2.284, 54.927

Protanopia

24, 1.606, 74.616

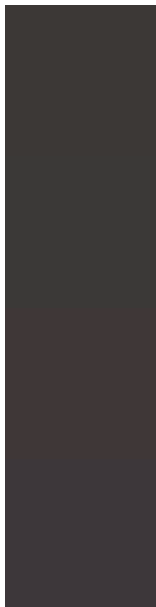
Deuteranopia

24, 4.222, 20.159



Tritanopia
24, 4.309, 329.876

Trichromacy



Original Color

24, 2.284, 54.927

Protanomaly

24, 1.606, 74.616

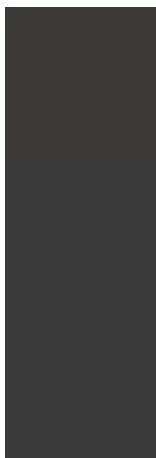
Deuteranomaly

24, 3.745, 20.060

Tritanomaly

24, 3.406, 344.309

Monochromacy



Original Color

24, 2.284, 54.927

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 0.798, 74.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 2.284, 54.927 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(60, 56, 54)` looks like.

```
.text, #text, p{  
    color:rgb(60, 56, 54)  
}
```

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(60, 56, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 56, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 2.284, 54.927 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(60, 56, 54) }
```

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

```
.border{ border-color:rgb(60, 56, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 56, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 56, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 56, 54);  
box-shadow:4px 4px 4px 4px rgb(60, 56, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 2.284, 54.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 56, 54) }
```

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

```
.background{ background-color: rgb(60, 56,  
54) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor