

Converting Colors

CIELCh(12, 19.477, 47.747)

Have a look what the booklet for
CIELCh(12, 19.477, 47.747) contains.

CIELCh(12, 19.624, 48.524)	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(12, 19.624, 48.524)

Conversions

Conversions Part 1

Format	Color
Hex	351808
RGB	53, 24, 8
RGB Percent	21%, 9%, 3%
CMY	0.7935, 0.9071, 0.9668
CMYK	0.00, 0.55, 0.84, 0.79
HSL	21°, 72%, 12%
HSV	21°, 84%, 21%
XYZ	1.8167, 1.4064, 0.4186
YIQ	30.8470, 22.4200, 1.1720

Conversions

Conversions Part 2

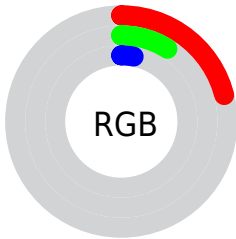
Format	Color
R_{YB}	53, 33, 8
Decimal	3479560
CIE Lab	12.00, 13.00, 14.70
CIE LCh	12, 19.624, 48.524
Yxy	1.4064, 0.4989, 0.3862
Android (android.graphics.Color)	4281669640 (0xFF351808)
YUV	30.8470, -11.2636, 19.4282
Hunter-Lab	11.8591, 6.5919, 6.2088

Details

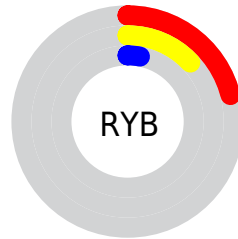
The CIELCh color **12, 19.624, 48.524** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **14, 13.775, 250.967**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 19.777, 47.768**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 21.479, 46.159**, and if you desaturate by 10%, it is **13, 17.690, 51.247**.

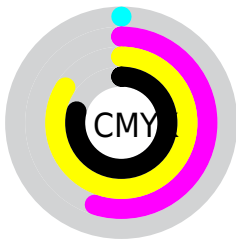
Distribution



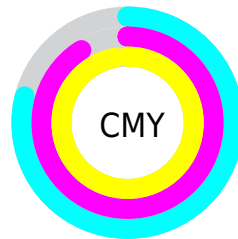
- Red (21%)
- Green (9%)
- Blue (3%)



- Red (21%)
- Yellow (13%)
- Blue (3%)



- Cyan (0%)
- Magenta (55%)
- Yellow (84%)
- Black (79%)



- Cyan (79%)
- Magenta (91%)
- Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 19.624, 48.524 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 12, 19.624, 48.524 by changing the saturation by 10% instead.

 12, 19.624, 48.524

 12, 19.624, 48.524

 100, 19.624,
48.524

 2, 19.624, 48.524

 32, 19.624, 48.524

 0, 19.624, 48.524

 42, 19.624, 48.524

 52, 19.624, 48.524

 62, 19.624, 48.524

 72, 19.624, 48.524

 82, 19.624, 48.524

 92, 19.624, 48.524

■ 12, 19.624, 48.524

■ 12, 19.624, 48.524

■ 11, 21.479, 46.159

■ 13, 17.690, 51.247

■ 10, 22.604, 45.042

■ 14, 15.347, 53.068

■ 15, 12.613, 53.695

■ 16, 9.964, 54.215

■ 18, 7.462, 54.789

■ 19, 5.105, 55.406

■ 20, 2.885, 56.043

■ 21, 0.791, 56.562

■ 23, 1.188, 237.671

Harmonies

Complementary

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



12, 19.624, 48.524



14, 13.775, 250.967

Rectangle

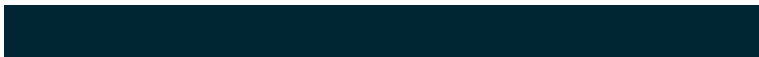
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12, 19.624, 48.524



12, 19.624, 98.524



12, 19.624, 228.524



12, 19.624, 278.524

Sweetspot

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



12, 19.623, 48.528



25, 6.722, 55.257



10, 26.543, 342.220



11, 4.646, 55.196



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



12, 19.623, 48.528



15, 30.410, 48.085



19, 23.232, 94.274



8, 1.091, 56.299



20, 39.482, 49.858



51, 81.939, 49.358

Inverse Universe

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



14, 13.775, 250.967



17, 19.334, 257.572



6, 27.467, 294.714



8, 1.060, 237.814



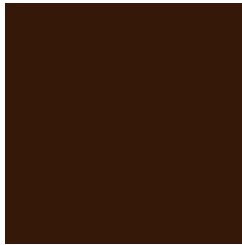
23, 23.541, 259.801



56, 47.086, 264.530

Previews

White Background



This preview shows how the CIELCh color 12, 19.624, 48.524 looks on a white background.

Color Contrast Check

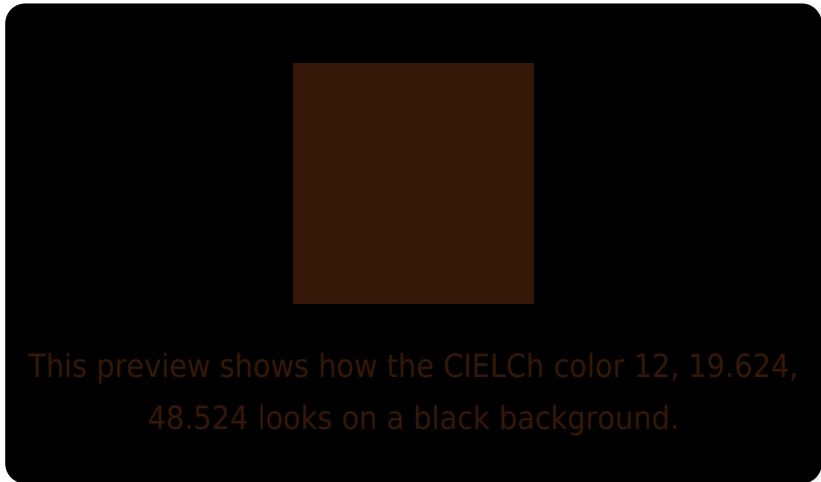
Large Text (above 18pt) WCAG AA ✓ Pass

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

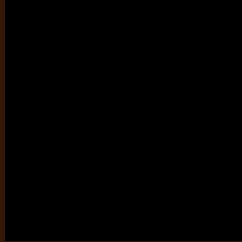
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 19.624, 48.524

Background



This preview shows how black text looks on a background with the CIELCh color 12, 19.624, 48.524.

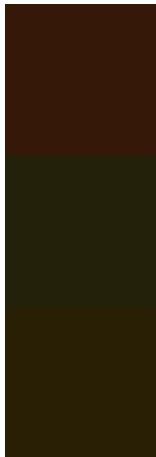


This preview shows how white text looks on a background with the CIELCh color 12, 19.624, 48.524.

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

12, 19.870, 49.419

Protanopia

13, 14.171, 99.790

Deuteranopia

12, 16.356, 85.733



Tritanopia
12, 16.806, 20.303

Trichromacy



Original Color
12, 19.870, 49.419

Protanomaly
12, 14.430, 78.144

Deuteranomaly
12, 16.473, 69.741

Tritanomaly
12, 17.608, 35.009

Monochromacy



Original Color
12, 19.870, 49.419

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 7.125, 51.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 19.624, 48.524 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(53, 24, 8)` looks like.

```
.text, #text, p{  
    color:rgb(53, 24, 8)  
}
```

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(53, 24, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 24, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 19.624, 48.524 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(53, 24, 8) }
```

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

```
.border{ border-color:rgb(53, 24, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 24, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 24, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(53, 24, 8); box-shadow:4px  
4px 4px 4px rgb(53, 24, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 19.624, 48.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 24, 8) }
```

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

```
.background{ background-color: rgb(53, 24,  
8) }
```

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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