

Converting Colors

CIELCh(12, 22.583, 24.952)

Have a look what the booklet for
CIELCh(12, 22.583, 24.952) contains.

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Color

CIELCh(12, 22.519, 25.326)

Conversions

Conversions Part 1

Format	Color
Hex	3B1213
RGB	59, 18, 19
RGB Percent	23%, 7%, 7%
CMY	0.7688, 0.9296, 0.9257
CMYK	0.00, 0.70, 0.68, 0.77
HSL	359°, 53%, 15%
HSV	359°, 70%, 23%
XYZ	2.1335, 1.4064, 0.7730
YIQ	30.3730, 24.1150, 9.0030

Conversions

Conversions Part 2

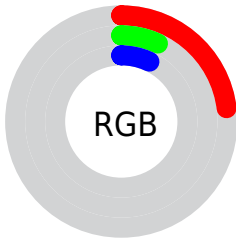
Format	Color
RYB	59, 18, 19
Decimal	3871251
CIELab	12.00, 20.35, 9.63
CIELCh	12, 22.519, 25.326
Yxy	1.4064, 0.4947, 0.3261
Android (android.graphics.Color)	4282061331 (0xFF3B1213)
YUV	30.3730, -5.6069, 25.1059
Hunter-Lab	11.8591, 11.3598, 4.4366

Details

The CIELCh color **12, 22.519, 25.326** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 14.750, 194.221**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 22.523, 24.975**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 25.547, 25.701**, and if you desaturate by 10%, it is **13, 19.002, 23.676**.

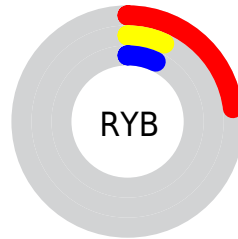
Distribution



Red (23%)

Green (7%)

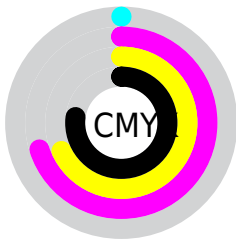
Blue (7%)



Red (23%)

Yellow (7%)

Blue (7%)

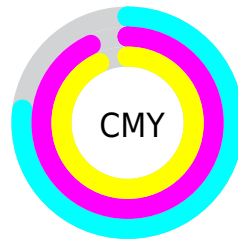


Cyan (0%)

Magenta (70%)

Yellow (68%)

Black (77%)



Cyan (77%)

Magenta (93%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 22.519, 25.326 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, 22.519, 25.326 by changing the saturation by 10% instead.

 12, 22.519, 25.326

 12, 22.519, 25.326

 100, 22.519,
25.326

 2, 22.519, 25.326

 32, 22.519, 25.326

 0, 22.519, 25.326

 42, 22.519, 25.326

 52, 22.519, 25.326

 62, 22.519, 25.326

 72, 22.519, 25.326

 82, 22.519, 25.326

 92, 22.519, 25.326

■ 12, 22.519, 25.326

■ 12, 22.519, 25.326

■ 11, 25.547, 25.701

■ 13, 19.002, 23.676

■ 10, 28.121, 25.269

■ 15, 15.441, 21.971

■ 8, 30.870, 24.237

■ 17, 11.989, 20.606

■ 8, 31.004, 24.178

■ 19, 8.689, 19.510

■ 21, 5.567, 18.618

■ 23, 2.630, 17.860

■ 25, 0.123, 199.255

■ 27, 2.702, 196.969

■ 29, 5.120, 196.526

Harmonies

Complementary

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



12, 22.519, 25.326



22, 14.750, 194.221

Rectangle

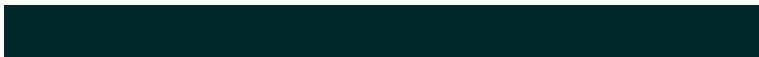
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12, 22.519, 25.326



12, 22.519, 75.326



12, 22.519, 205.326



12, 22.519, 255.326

Sweetspot

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



12, 22.518, 25.329



27, 7.496, 18.819



13, 31.400, 326.404



12, 4.991, 18.877



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



12, 22.518, 25.329



15, 33.714, 29.527



17, 18.516, 64.590



10, 1.574, 17.782



17, 46.721, 33.918



46, 93.121, 39.210

Inverse Universe

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



12, 22.518, 25.329



15, 33.714, 29.527



15, 14.956, 264.090



10, 1.574, 17.782



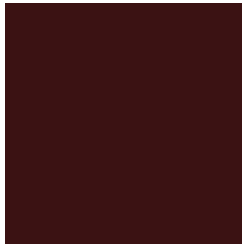
17, 46.721, 33.918



46, 93.121, 39.210

Previews

White Background



This preview shows how the CIELCh color 12, 22.519, 25.326 looks on a white background.

Color Contrast Check

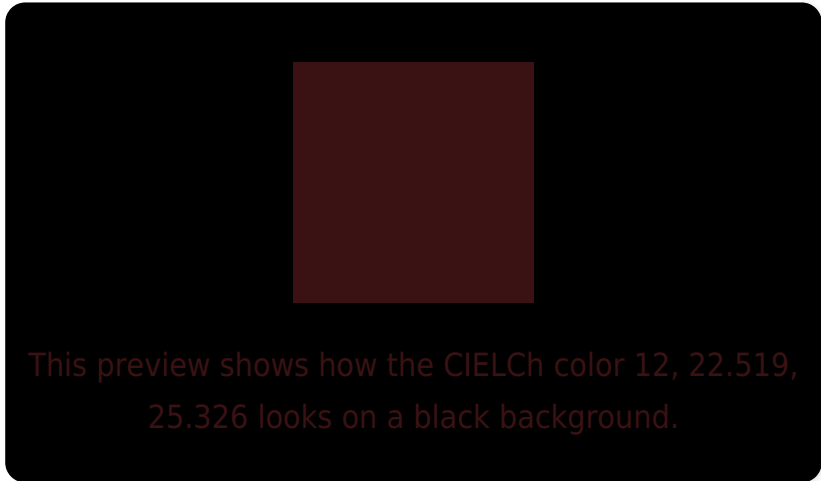
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.519, 25.326

Background



This preview shows how black text looks on a background with the CIELCh color 12, 22.519, 25.326.



This preview shows how white text looks on a background with the CIELCh color 12, 22.519, 25.326.

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, 22.519, 25.326

Protanopia

13, 5.821, 97.887

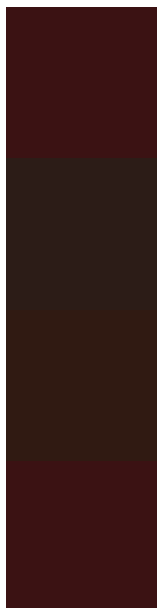
Deuteranopia

13, 11.355, 77.356



Tritanopia
12, 22.519, 25.326

Trichromacy



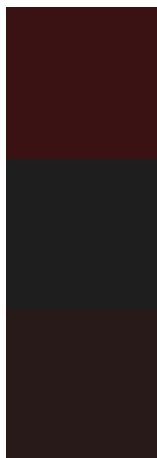
Original Color
12, 22.519, 25.326

Protanomaly
12, 9.685, 43.093

Deuteranomaly
12, 14.014, 45.179

Tritanomaly
12, 22.519, 25.326

Monochromacy



Original Color
12, 22.519, 25.326

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 8.052, 21.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 22.519, 25.326 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(59, 18, 19)` looks like.

```
.text, #text, p{  
    color:rgb(59, 18, 19)  
}
```

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(59, 18, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 18, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 22.519, 25.326 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(59, 18, 19) }
```

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

```
.border{ border-color:rgb(59, 18, 19) }
```

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

Here you see how a box with a 4 pixel rgb(59, 18, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 18, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 18, 19);  
box-shadow:4px 4px 4px 4px rgb(59, 18, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 22.519, 25.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 18, 19) }
```

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

```
.background{ background-color: rgb(59, 18,  
19) }
```

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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