

Converting Colors

CIELCh(24, 12.972, 198.993)

Have a look what the booklet for
CIELCh(24, 12.972, 198.993)
contains.

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Color

CIELCh(24, 12.785, 200.289)

Conversions

Conversions Part 1

Format	Color
Hex	1C3E3F
RGB	28, 62, 63
RGB Percent	11%, 24%, 25%
CMY	0.8887, 0.7554, 0.7515
CMYK	0.55, 0.02, 0.00, 0.75
HSL	182°, 38%, 18%
HSV	182°, 55%, 25%
XYZ	3.1392, 4.1002, 5.3819
YIQ	51.9480, -20.5850, -6.8970

Conversions

Conversions Part 2

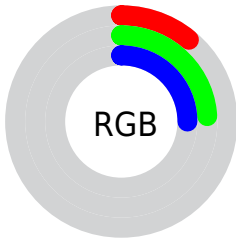
Format	Color
RYB	28, 45, 63
Decimal	1850943
CIELab	24.00, -11.99, -4.43
CIElCh	24, 12.785, 200.289
Yxy	4.1002, 0.2487, 0.3249
Android (android.graphics.Color)	4280041023 (0xFF1C3E3F)
YUV	51.9480, 5.4486, -21.0024
Hunter-Lab	20.2490, -7.7627, -1.5842

Details

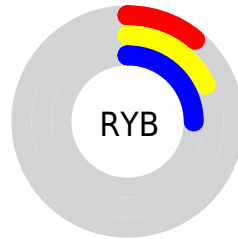
The CIELCh color **24, 12.785, 200.289** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 18.288, 26.587**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 12.988, 200.607**, and **5, 6.416, 205.407** is the 20% darker color. If you saturate the color by 10%, you get **24, 14.351, 200.198**, and if you desaturate by 10%, it is **24, 10.942, 200.450**.

Distribution



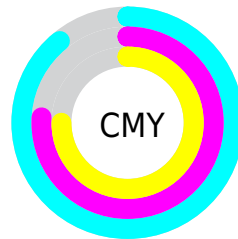
- Red (11%)
- Green (24%)
- Blue (25%)



- Red (11%)
- Yellow (18%)
- Blue (25%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (75%)



- Cyan (89%)
- Magenta (76%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 12.785, 200.289 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, 12.785, 200.289 by changing the saturation by 10% instead.

 24, 12.785,
200.289

 24, 12.785,
200.289

 100, 12.785,
200.289

 14, 12.785,
200.289

 44, 12.785,
200.289


 4, 12.785, 200.289

 54, 12.785,
200.289

 0, 12.785, 200.289

 64, 12.785,
200.289

 74, 12.785,
200.289

 84, 12.785,
200.289

 94, 12.785,

200.289

■ 24, 12.785,
200.289

■ 24, 12.785,
200.289

■ 24, 14.351,
200.198

■ 24, 10.942,
200.450

■ 23, 15.620,
200.191

■ 25, 8.851, 200.681

■ 23, 16.583,
200.269

■ 25, 6.545, 200.974

■ 23, 17.439,
200.364

■ 26, 4.057, 201.329

■ 23, 17.859,
200.399

■ 26, 1.421, 201.816

■ 27, 1.332, 21.867

■ 28, 4.173, 22.428

■ 29, 7.077, 22.908

Harmonies

Complementary

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



24, 12.785, 200.289



16, 18.288, 26.587

Rectangle

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



24, 12.785, 200.289



24, 12.785, 250.289



24, 12.785, 20.289



24, 12.785, 70.289

Sweetspot

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



24, 12.785, 200.287



33, 5.562, 201.233



23, 27.316, 140.970



16, 3.653, 201.216



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, 12.785, 200.287



31, 17.577, 200.186



18, 13.616, 266.243



11, 1.461, 201.629



35, 23.331, 200.663



79, 43.342, 201.022

Inverse Universe

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



17, 26.967, 327.796



21, 38.492, 328.325



21, 15.421, 71.040



10, 2.682, 325.586



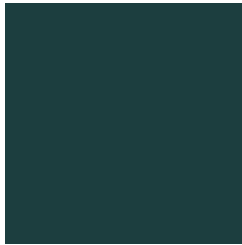
21, 54.684, 329.322



52, 101.702, 329.413

Previews

White Background



This preview shows how the CIELCh color 24, 12.785, 200.289 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 CIELCh color 24, 12.785, 200.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

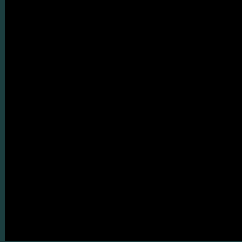
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

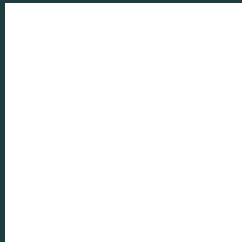
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 12.785, 200.289

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.785, 200.289.



This preview shows how white text looks on a background with the CIELCh color 24, 12.785, 200.289.

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, 12.785, 200.289

Protanopia

24, 1.991, 290.617

Deuteranopia

24, 6.136, 303.737



Tritanopia
24, 12.165, 213.510

Trichromacy



Original Color
24, 12.785, 200.289

Protanomaly
24, 5.258, 213.270

Deuteranomaly
24, 5.698, 243.472

Tritanomaly
24, 12.398, 209.932

Monochromacy



Original Color
24, 12.785, 200.289

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 5.637, 198.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.785, 200.289 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(28, 62, 63)` looks like.

```
.text, #text, p{  
    color:rgb(28, 62, 63)  
}
```

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(28, 62, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 62, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.785, 200.289 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(28, 62, 63) }
```

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

```
.border{ border-color:rgb(28, 62, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 62, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 62, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 62, 63);  
box-shadow:4px 4px 4px 4px rgb(28, 62, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.785, 200.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 62, 63) }
```

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

```
.background{ background-color: rgb(28, 62,  
63) }
```

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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