

Converting Colors

CIELCh(24, 11.694, 197.385)

Have a look what the booklet for
CIELCh(24, 11.694, 197.385)
contains.

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Color

CIELCh(24, 11.705, 197.439)

Conversions

Conversions Part 1

Format	Color
Hex	203E3E
RGB	32, 62, 62
RGB Percent	13%, 24%, 24%
CMY	0.8745, 0.7569, 0.7569
CMYK	0.48, 0.00, 0.00, 0.76
HSL	180°, 32%, 18%
HSV	180°, 48%, 24%
XYZ	3.1879, 4.1002, 5.1809
YIQ	53.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

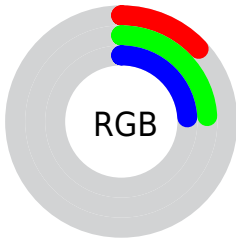
Format	Color
RYB	32, 47, 62
Decimal	2113086
CIELab	24.00, -11.17, -3.51
CIELCh	24, 11.705, 197.439
Yxy	4.1002, 0.2557, 0.3288
Android (android.graphics.Color)	4280303166 (0xFF203E3E)
YUV	53.0300, 4.4222, -18.4433
Hunter-Lab	20.2490, -7.3337, -0.9957




Details

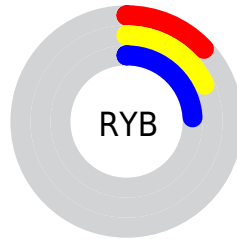
The CIELCh color **24, 11.705, 197.439** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 15.802, 23.647**, and the grayscale version is **22, 0.004, 296.813**.




A 20% lighter version of the original color is **44, 11.793, 195.128**, and **5, 6.390, 199.422** is the 20% darker color. If you saturate the color by 10%, you get **24, 13.497, 197.142**, and if you desaturate by 10%, it is **24, 9.657, 197.779**.

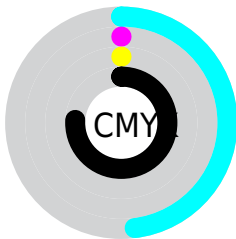
Distribution







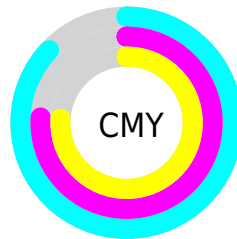
-  Red (13%)
-  Green (24%)
-  Blue (24%)






-  Red (13%)
-  Yellow (18%)
-  Blue (24%)



-  Cyan (48%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (76%)



-  Cyan (87%)
-  Magenta (76%)
-  Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 11.705, 197.439 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, 11.705, 197.439 by changing the saturation by 10% instead.

 24, 11.705,
197.439


 24, 11.705,
197.439

 100, 11.705,
197.439


 14, 11.705,
197.439


 44, 11.705,
197.439


 4, 11.705, 197.439

 54, 11.705,
197.439

 0, 11.705, 197.439

 64, 11.705,
197.439

 74, 11.705,
197.439

 84, 11.705,
197.439

 94, 11.705,

197.439

■ 24, 11.705,
197.439

■ 24, 11.705,
197.439

■ 24, 13.497,
197.142

■ 24, 9.657, 197.779

■ 23, 15.007,
196.897

■ 25, 7.384, 198.167

■ 23, 16.221,
196.702

■ 25, 4.919, 198.602

■ 23, 17.165,
196.552

■ 26, 0.452, 18.949

■ 23, 18.084,
196.407

■ 27, 3.295, 19.911

■ 23, 18.235,
196.383

■ 28, 6.208, 20.465

■ 28, 9.167, 21.010

Harmonies

Complementary

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



24, 11.705, 197.439



16, 15.802, 23.647

Rectangle

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



24, 11.705, 197.439



24, 11.705, 247.439



24, 11.705, 17.439



24, 11.705, 67.439

Sweetspot

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



24, 11.705, 197.437



34, 5.079, 198.728



23, 23.853, 140.841



16, 3.400, 198.693



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, 11.705, 197.437



32, 16.664, 197.081



19, 11.324, 260.926



11, 1.504, 199.107



36, 24.215, 196.383



80, 45.112, 196.383

Inverse Universe

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



16, 15.802, 23.647



20, 24.574, 25.733



21, 12.946, 68.466



10, 1.574, 19.758



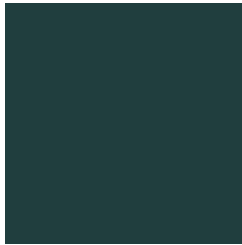
17, 47.179, 34.872



46, 94.132, 39.999

Previews

White Background



This preview shows how the CIELCh color 24, 11.705, 197.439 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, 11.705, 197.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

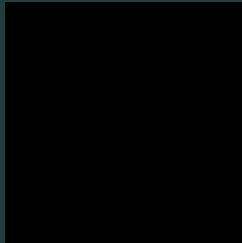
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

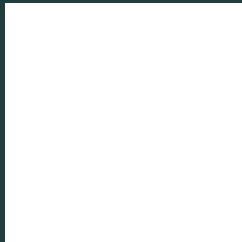
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 11.705, 197.439

Background



This preview shows how black text looks on a background with the CIELCh color 24, 11.705, 197.439.



This preview shows how white text looks on a background with the CIELCh color 24, 11.705, 197.439.

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, 11.705, 197.439

Protanopia

24, 1.329, 290.483

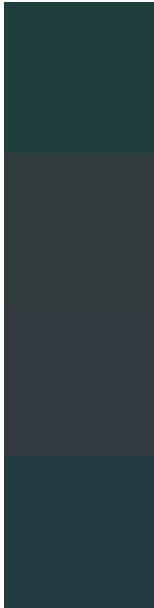
Deuteranopia

24, 5.632, 309.558



Tritanopia
24, 11.031, 215.397

Trichromacy



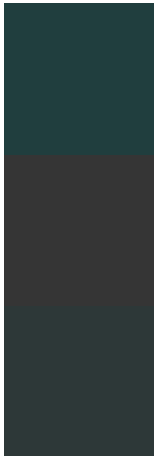
Original Color
24, 11.705, 197.439

Protanomaly
24, 4.781, 206.636

Deuteranomaly
24, 4.990, 240.801

Tritanomaly
24, 10.961, 211.833

Monochromacy



Original Color
24, 11.705, 197.439

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 4.815, 198.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 11.705, 197.439 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(32, 62, 62)` looks like.

```
.text, #text, p{  
    color:rgb(32, 62, 62)  
}
```

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(32, 62, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 62, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 11.705, 197.439 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(32, 62, 62) }
```

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

```
.border{ border-color:rgb(32, 62, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 62, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 62, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 62, 62);  
box-shadow:4px 4px 4px 4px rgb(32, 62, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 11.705, 197.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 62, 62) }
```

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

```
.background{ background-color: rgb(32, 62,  
62) }
```

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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