

Converting Colors

CIELCh(21, 39.712, 196.584)

Have a look what the booklet for
CIELCh(21, 39.712, 196.584)
contains.

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Color

CIELCh(23, 17.986, 202.981)

Conversions

Conversions Part 1

Format	Color
Hex	003E41
RGB	0, 62, 65
RGB Percent	0%, 24%, 25%
CMY	1.0000, 0.7574, 0.7456
CMYK	1.00, 0.05, 0.00, 0.75
HSL	183°, 100%, 13%
HSV	183°, 100%, 25%
XYZ	2.6464, 3.8003, 5.5744
YIQ	43.8040, -37.9150, -12.2110

Conversions

Conversions Part 2

Format	Color
RYB	0, 32, 65
Decimal	15937
CIELab	23.00, -16.56, -7.02
CIELCh	23, 17.986, 202.981
Yxy	3.8003, 0.2201, 0.3161
Android (android.graphics.Color)	4278206017 (0xFF003E41)
YUV	43.8040, 10.4496, -38.4161
Hunter-Lab	19.4944, -9.8837, -3.3078

Details

The CIELCh color **23, 17.986, 202.981** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 32.965, 29.824**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 17.927, 203.249**, and **5, 6.697, 217.602** is the 20% darker color. If you saturate the color by 10%, you get **23, 17.768, 203.093**, and if you desaturate by 10%, it is **23, 16.932, 202.846**.

Distribution



- Red (0%)
- Green (24%)
- Blue (25%)



- Red (0%)
- Yellow (13%)
- Blue (25%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (75%)





- Cyan (100%)
- Magenta (76%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 17.986, 202.981 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 23, 17.986, 202.981 by changing the saturation by 10% instead.

 23, 17.986,
202.981


 23, 17.986,
202.981

 100, 17.986,
202.981


 13, 17.986,
202.981


 43, 17.986,
202.981


 3, 17.986, 202.981

 53, 17.986,
202.981

 0, 17.986, 202.981

 63, 17.986,
202.981

 73, 17.986,
202.981

 83, 17.986,
202.981

 93, 17.986,

202.981

■ 23, 17.986,
202.981

■ 23, 17.986,
202.981

■ 23, 17.768,
203.093

■ 23, 16.932,
202.846

■ 24, 16.090,
202.567

■ 24, 14.985,
202.379

■ 24, 13.571,
202.300

■ 25, 11.865,
202.318

■ 25, 9.893, 202.425

■ 26, 7.686, 202.609

■ 26, 5.279, 202.864

■ 27, 2.706, 203.203

Harmonies

Complementary

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



23, 17.986, 202.981



10, 32.965, 29.824

Rectangle

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



23, 17.986, 202.981



23, 17.986, 252.981



23, 17.986, 22.981



23, 17.986, 72.981

Sweetspot

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



23, 17.768, 203.093



33, 9.504, 202.581



23, 43.660, 137.303



16, 6.502, 202.544



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 17.768, 203.093



30, 21.119, 203.396



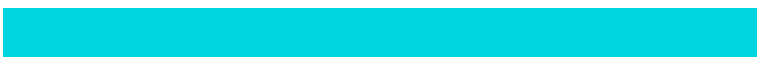
11, 25.568, 281.158



12, 1.537, 203.265



35, 23.263, 203.539



78, 42.731, 204.133

Inverse Universe

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



12, 41.944, 329.930



18, 49.896, 330.006



17, 27.544, 65.221



12, 2.839, 326.094



21, 54.980, 330.042



53, 101.138, 330.189

Previews

White Background



This preview shows how the CIE LCh color 23, 17.986, 202.981 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 23, 17.986, 202.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

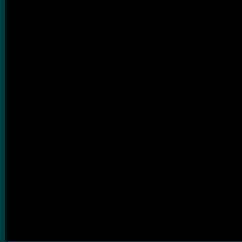
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 17.986, 202.981

Background



This preview shows how black text looks on a background with the CIELCh color 23, 17.986, 202.981.

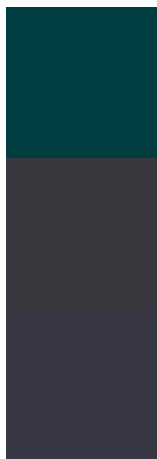


This preview shows how white text looks on a background with the CIELCh color 23, 17.986, 202.981.

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
23, 17.795, 203.070

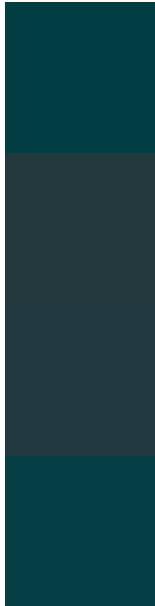
Protanopia
23, 4.001, 291.055

Deuteranopia
23, 8.699, 294.838



Tritanopia
23, 16.526, 208.578

Trichromacy



Original Color
23, 17.795, 203.070

Protanomaly
22, 9.212, 219.495

Deuteranomaly
23, 10.150, 234.909

Tritanomaly
23, 16.993, 205.832

Monochromacy



Original Color
23, 17.795, 203.070

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 9.007, 206.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 17.986, 202.981 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(0, 62, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 65)  
}
```

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(0, 62, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 17.986, 202.981 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(0, 62, 65) }
```

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

```
.border{ border-color:rgb(0, 62, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 62, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 62, 65); box-shadow:4px  
4px 4px 4px rgb(0, 62, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 17.986, 202.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 65) }
```

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

```
.background{ background-color: rgb(0, 62,  
65) }
```

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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