

Converting Colors

CIELCh(42, 24.382, 202.473)

Have a look what the booklet for
CIELCh(42, 24.382, 202.473)
contains.

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Color

CIELCh(42, 24.449, 202.458)

Conversions

Conversions Part 1

Format	Color
Hex	186E72
RGB	24, 110, 114
RGB Percent	9%, 43%, 45%
CMY	0.9074, 0.5695, 0.5539
CMYK	0.79, 0.04, 0.00, 0.55
HSL	183°, 66%, 27%
HSV	183°, 79%, 45%
XYZ	8.9419, 12.5000, 17.7911
YIQ	84.7420, -52.5400, -16.9880

Conversions

Conversions Part 2

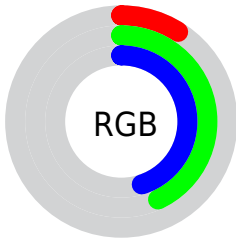
Format	Color
RYB	24, 68, 114
Decimal	1601138
CIELab	42.00, -22.59, -9.34
CIElCh	42, 24.449, 202.458
Yxy	12.5000, 0.2279, 0.3186
Android (android.graphics.Color)	4279791218 (0xFF186E72)
YUV	84.7420, 14.4242, -53.2707
Hunter-Lab	35.3553, -16.7265, -5.0865

Details

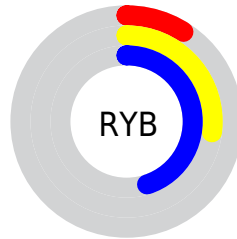
The CIELCh color **42, 24.449, 202.458** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 44.837, 33.935**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 24.509, 202.652**, and **23, 17.697, 205.361** is the 20% darker color. If you saturate the color by 10%, you get **42, 25.411, 202.847**, and if you desaturate by 10%, it is **42, 22.953, 202.206**.

Distribution



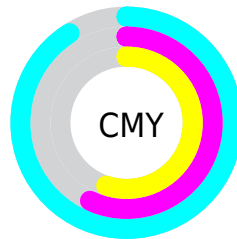
- Red (9%)
- Green (43%)
- Blue (45%)



- Red (9%)
- Yellow (27%)
- Blue (45%)



- Cyan (79%)
- Magenta (4%)
- Yellow (0%)
- Black (55%)



- Cyan (91%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 24.449, 202.458 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 42, 24.449, 202.458 by changing the saturation by 10% instead.

 42, 24.449,
202.458

 42, 24.449,
202.458

 100, 24.449,
202.458

 32, 24.449,
202.458

 62, 24.449,
202.458


 22, 24.449,
202.458

 72, 24.449,
202.458

 12, 24.449,
202.458

 82, 24.449,
202.458

 2, 24.449, 202.458

 92, 24.449,
202.458

 0, 24.449, 202.458

 42, 24.449,

 42, 24.449,

202.458

■ 42, 25.411,
202.847

■ 41, 26.038,
203.324

■ 41, 26.085,
203.360

202.458

■ 42, 22.953,
202.206

■ 43, 20.919,
202.085

■ 44, 18.365,
202.081

■ 44, 15.337,
202.181

■ 45, 11.888,
202.374

■ 46, 8.085, 202.649

■ 47, 3.989, 203.020

■ 48, 0.335, 22.206

■ 49, 4.834, 23.641

Harmonies

Complementary

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



42, 24.449, 202.458



25, 44.837, 33.935

Rectangle

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



42, 24.449, 202.458



42, 24.449, 252.458



42, 24.449, 22.458



42, 24.449, 72.458

Sweetspot

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



42, 24.449, 202.457



58, 12.293, 202.491



42, 58.073, 138.212



29, 8.313, 202.419



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 24.449, 202.457



53, 31.227, 203.273



27, 32.122, 277.066



23, 2.402, 203.031



44, 27.066, 203.401



85, 46.087, 203.829

Inverse Universe

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



28, 56.013, 329.424



35, 73.440, 329.925



34, 37.305, 68.712



22, 4.447, 326.101



27, 63.946, 330.007



58, 109.001, 330.114

Previews

White Background



This preview shows how the CIELCh color 42, 24.449, 202.458 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 24.449, 202.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

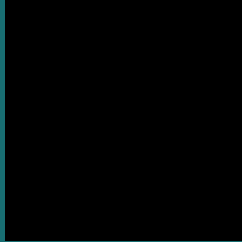
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.449, 202.458

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.449, 202.458.



This preview shows how white text looks on a background with the CIELCh color 42, 24.449, 202.458.

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


42, 24.449, 202.458

Protanopia

42, 4.843, 290.903

Deuteranopia

42, 12.807, 297.220



Tritanopia
42, 23.606, 210.398

Trichromacy



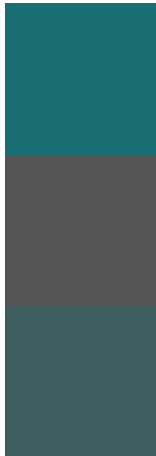
Original Color
42, 24.449, 202.458

Protanomaly
41, 12.025, 218.987

Deuteranomaly
41, 13.494, 241.197

Tritanomaly
42, 23.791, 207.211

Monochromacy



Original Color
42, 24.449, 202.458

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 11.771, 204.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.449, 202.458 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(24, 110, 114)` looks like.

```
.text, #text, p{  
    color:rgb(24, 110, 114)  
}
```

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(24, 110, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 110, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.449, 202.458 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(24, 110, 114) }
```

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

```
.border{ border-color:rgb(24, 110, 114) }
```

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

Here you see how a box with a 4 pixel rgb(24, 110, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 110, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 110, 114);  
box-shadow:4px 4px 4px 4px rgb(24, 110,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.449, 202.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 110, 114) }
```

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

```
.background{ background-color: rgb(24, 110,  
114) }
```

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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