

Converting Colors

CIELCh(42, 22.993, 206.084)

Have a look what the booklet for
CIELCh(42, 22.993, 206.084)
contains.

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Color

CIELCh(42, 22.993, 206.084)

Conversions

Conversions Part 1

Format	Color
Hex	206D73
RGB	32, 109, 115
RGB Percent	13%, 43%, 45%
CMY	0.8741, 0.5723, 0.5487
CMYK	0.72, 0.05, 0.00, 0.55
HSL	184°, 56%, 29%
HSV	184°, 72%, 45%
XYZ	9.1731, 12.5000, 18.1697
YIQ	86.6610, -47.8180, -14.4580

Conversions

Conversions Part 2

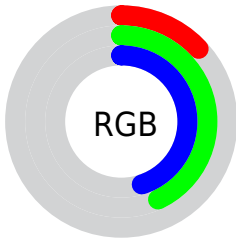
Format	Color
R_{YB}	32, 72, 115
Decimal	2125171
CIE _{Lab}	42.00, -20.65, -10.11
CIE _{LCh}	42, 22.993, 206.084
Yxy	12.5000, 0.2302, 0.3137
Android (android.graphics.Color)	4280315251 (0xFF206D73)
YUV	86.6610, 13.9711, -47.9377
Hunter-Lab	35.3553, -15.5590, -5.7214




Details

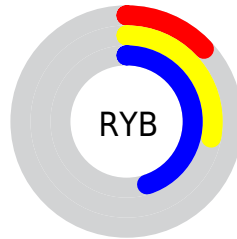
The CIELCh color **42, 22.993, 206.084** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 40.129, 33.463**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **62, 22.970, 206.006**, and **23, 17.390, 210.190** is the 20% darker color. If you saturate the color by 10%, you get **41, 24.284, 206.698**, and if you desaturate by 10%, it is **43, 21.161, 205.657**.

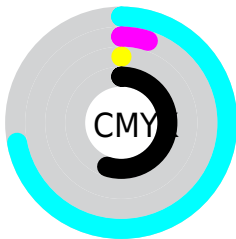
Distribution







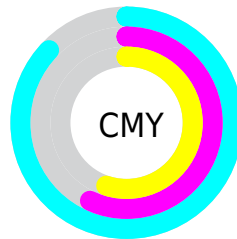
-  Red (13%)
-  Green (43%)
-  Blue (45%)






-  Red (13%)
-  Yellow (28%)
-  Blue (45%)



-  Cyan (72%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (55%)




-  Cyan (87%)
-  Magenta (57%)
-  Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 22.993, 206.084 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, 22.993, 206.084 by changing the saturation by 10% instead.

 42, 22.993,
206.084


 42, 22.993,
206.084


 100, 22.993,
206.084

 32, 22.993,
206.084

 62, 22.993,
206.084


 22, 22.993,
206.084

 72, 22.993,
206.084

 12, 22.993,
206.084

 82, 22.993,
206.084

 2, 22.993, 206.084

 92, 22.993,
206.084

 0, 22.993, 206.084

 42, 22.993,

 42, 22.993,

206.084

■ 41, 24.284,
206.698

■ 41, 25.053,
207.521

■ 41, 25.503,
208.226

206.084

■ 43, 21.161,
205.657

■ 43, 18.805,
205.398

■ 44, 15.964,
205.284

■ 45, 12.691,
205.295

■ 46, 9.048, 205.413

■ 47, 5.100, 205.635

■ 48, 0.907, 206.230

■ 49, 3.474, 26.024

■ 51, 7.994, 26.437

Harmonies

Complementary

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



42, 22.993, 206.084



27, 40.129, 33.463

Rectangle

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



42, 22.993, 206.084



42, 22.993, 256.084



42, 22.993, 26.084



42, 22.993, 76.084

Sweetspot

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



42, 22.993, 206.083



59, 11.201, 205.405



42, 53.812, 139.780



30, 7.534, 205.374



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 22.993, 206.083



53, 30.207, 207.267



29, 31.130, 277.722



24, 2.428, 205.731



43, 26.643, 208.311



84, 44.992, 209.041

Inverse Universe

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



29, 52.329, 330.155



36, 71.073, 330.825



37, 34.413, 72.863



23, 4.528, 326.910



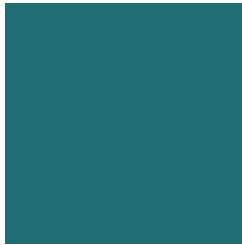
28, 63.553, 331.220



58, 107.421, 331.399

Previews

White Background



This preview shows how the CIE LCh color 42, 22.993, 206.084 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, 22.993, 206.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

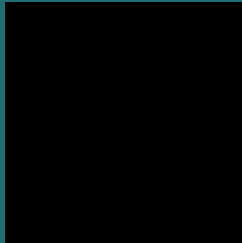
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 22.993, 206.084

Background



This preview shows how black text looks on a background with the CIELCh color 42, 22.993, 206.084.



This preview shows how white text looks on a background with the CIELCh color 42, 22.993, 206.084.

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, 22.993, 206.084

Protanopia

42, 6.052, 291.078

Deuteranopia

42, 13.409, 297.051



Tritanopia
42, 22.607, 211.104

Trichromacy



Original Color
42, 22.993, 206.084

Protanomaly
41, 11.491, 226.864

Deuteranomaly
41, 13.185, 246.318

Tritanomaly
42, 22.771, 209.378

Monochromacy



Original Color
42, 22.993, 206.084

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 10.750, 204.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 22.993, 206.084 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, 109, 115)` looks like.

```
.text, #text, p{  
    color:rgb(32, 109, 115)  
}
```

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, 109, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 109, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 22.993, 206.084 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, 109, 115) }
```

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

```
.border{ border-color:rgb(32, 109, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 109, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 109, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 109, 115);  
box-shadow:4px 4px 4px 4px rgb(32, 109,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 22.993, 206.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 109, 115) }
```

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

```
.background{ background-color: rgb(32, 109,  
115) }
```

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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