

Converting Colors

CIELCh(43, 22.440, 257.255)

Have a look what the booklet for
CIELCh(43, 22.440, 257.255)
contains.

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Color

CIELCh(43, 22.227, 256.225)

Conversions

Conversions Part 1

Format	Color
Hex	406A89
RGB	64, 106, 137
RGB Percent	25%, 42%, 54%
CMY	0.7497, 0.5850, 0.4634
CMYK	0.53, 0.23, 0.00, 0.46
HSL	205°, 36%, 39%
HSV	205°, 53%, 54%
XYZ	11.7414, 13.1578, 25.5202
YIQ	96.9760, -34.9830, 0.7370

Conversions

Conversions Part 2

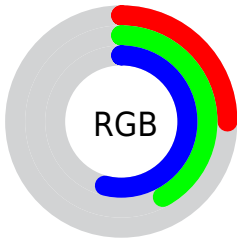
Format	Color
R _{YB}	64, 91, 137
Decimal	4221577
CIE Lab	43.00, -5.29, -21.59
CIE LCh	43, 22.227, 256.225
Yxy	13.1578, 0.2329, 0.2610
Android (android.graphics.Color)	4282411657 (0xFF406A89)
YUV	96.9760, 19.7318, -28.9200
Hunter-Lab	36.2736, -5.7002, -16.3218

Details

The CIELCh color `43, 22.227, 256.225` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `44, 27.913, 61.380`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `63, 22.011, 256.281`, and `23, 22.242, 256.035` is the 20% darker color. If you saturate the color by 10%, you get `41, 25.854, 259.228`, and if you desaturate by 10%, it is `46, 18.407, 253.708`.

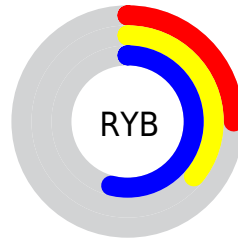
Distribution



Red (25%)

Green (42%)

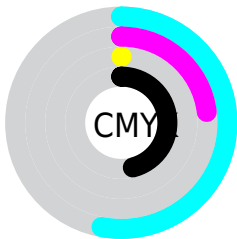
Blue (54%)



Red (25%)

Yellow (36%)

Blue (54%)

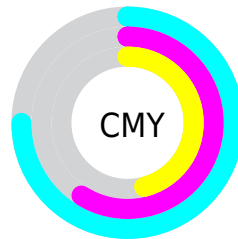


Cyan (53%)

Magenta (23%)

Yellow (0%)

Black (46%)



Cyan (75%)


Magenta (59%)

Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 22.227, 256.225 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 43, 22.227, 256.225 by changing the saturation by 10% instead.


 43, 22.227,
256.225


 43, 22.227,
256.225


 100, 22.227,
256.225


 33, 22.227,
256.225

 63, 22.227,
256.225


 23, 22.227,
256.225

 73, 22.227,
256.225

 13, 22.227,
256.225

 83, 22.227,
256.225

 3, 22.227, 256.225

 93, 22.227,
256.225

 0, 22.227, 256.225

 43, 22.227,

 43, 22.227,

256.225

■ 41, 25.854,
259.228

■ 38, 29.309,
262.760

■ 36, 32.639,
266.824

■ 34, 35.923,
271.346

■ 33, 38.179,
274.273

256.225

■ 46, 18.407,
253.708

■ 48, 14.404,
251.614

■ 51, 10.234,
249.880

■ 53, 5.926, 248.454

■ 56, 1.507, 247.403

■ 59, 2.996, 66.067

■ 62, 7.558, 65.275

■ 64, 12.160, 64.562

■ 67, 16.784, 63.945

Harmonies

Complementary

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



43, 22.227, 256.225



44, 27.913, 61.380

Rectangle

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



43, 22.227, 256.225



43, 22.227, 306.225



43, 22.227, 76.225



43, 22.227, 126.225

Sweetspot

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



43, 22.226, 256.225



67, 8.790, 248.851



52, 36.830, 154.142



34, 5.899, 249.095



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



43, 22.226, 256.225



52, 32.310, 259.913



32, 42.142, 294.662



28, 2.529, 247.944



32, 37.230, 274.112



1, 1.186, 246.842

Inverse Universe

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



38, 37.753, 344.785



45, 54.408, 346.477



54, 37.301, 101.209



27, 4.036, 340.438



28, 53.479, 354.030



0, 1.856, 339.794

Previews

White Background



This preview shows how the CIE LCh color 43, 22.227, 256.225 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 CIE LCh color 43, 22.227, 256.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

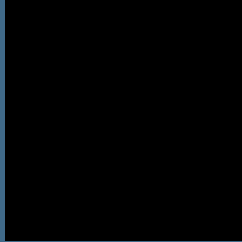
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

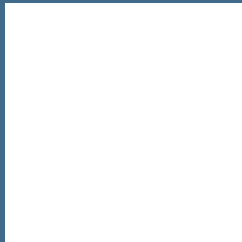
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 22.227, 256.225

Background



This preview shows how black text looks on a background with the CIELCh color 43, 22.227, 256.225.

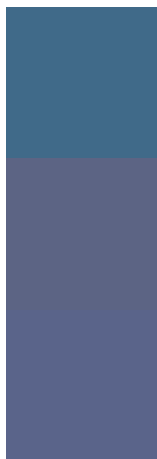


This preview shows how white text looks on a background with the CIELCh color 43, 22.227, 256.225.

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

43, 22.227, 256.225

Protanopia

43, 19.394, 284.507

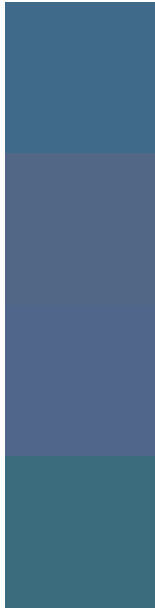
Deuteranopia

43, 23.011, 284.837



Tritanopia
43, 17.988, 215.264

Trichromacy



Original Color
43, 22.227, 256.225

Protanomaly
43, 20.159, 273.114

Deuteranomaly
43, 22.549, 274.305

Tritanomaly
43, 18.538, 231.718

Monochromacy



Original Color
43, 22.227, 256.225

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 8.643, 249.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 22.227, 256.225 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(64, 106, 137)` looks like.

```
.text, #text, p{  
    color:rgb(64, 106, 137)  
}
```

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(64, 106, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 106, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 22.227, 256.225 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(64, 106, 137) }
```

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

```
.border{ border-color:rgb(64, 106, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 106, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 106, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 106, 137);  
box-shadow:4px 4px 4px 4px rgb(64, 106,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 22.227, 256.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 106, 137) }
```

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

```
.background{ background-color: rgb(64, 106,  
137) }
```

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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