

Converting Colors

CIELCh(44, 22.655, 255.913)

Have a look what the booklet for
CIELCh(44, 22.655, 255.913)
contains.

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Color

CIELCh(44, 22.777, 256.596)

Conversions

Conversions Part 1

Format	Color
Hex	416C8C
RGB	65, 108, 140
RGB Percent	25%, 42%, 55%
CMY	0.7436, 0.5751, 0.4496
CMYK	0.53, 0.23, 0.00, 0.45
HSL	206°, 36%, 40%
HSV	206°, 53%, 55%
XYZ	12.3635, 13.8382, 26.9705
YIQ	98.7910, -35.9000, 0.8360

Conversions

Conversions Part 2

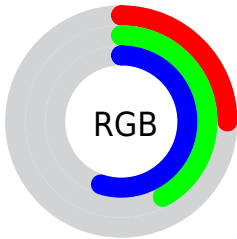
Format	Color
R _{YB}	65, 92, 140
Decimal	4287628
CIE _{Lab}	44.00, -5.28, -22.16
CIE _{LCh}	44, 22.777, 256.596
Yxy	13.8382, 0.2325, 0.2603
Android (android.graphics.Color)	4282477708 (0xFF416C8C)
YUV	98.7910, 20.3160, -29.6347
Hunter-Lab	37.1997, -5.7741, -16.9465

Details

The CIELCh color `44, 22.777, 256.596` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `45, 28.560, 61.606`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 22.990, 257.492`, and `24, 22.778, 256.584` is the 20% darker color. If you saturate the color by 10%, you get `42, 26.498, 259.620`, and if you desaturate by 10%, it is `47, 18.864, 254.059`.

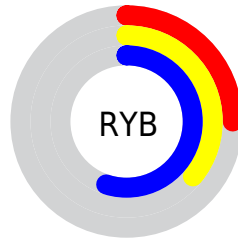
Distribution



Red (25%)

Green (42%)

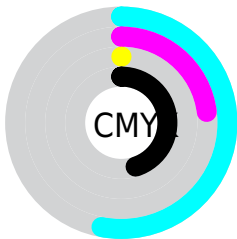
Blue (55%)



Red (25%)

Yellow (36%)

Blue (55%)

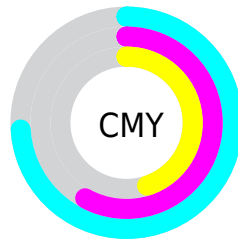


Cyan (53%)

Magenta (23%)

Yellow (0%)

Black (45%)



Cyan (74%)

Magenta (58%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 22.777, 256.596 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 44, 22.777, 256.596 by changing the saturation by 10% instead.

 44, 22.777,
256.596


 44, 22.777,
256.596

 100, 22.777,
256.596

 34, 22.777,
256.596

 64, 22.777,
256.596


 24, 22.777,
256.596

 74, 22.777,
256.596

 14, 22.777,
256.596

 84, 22.777,
256.596

 4, 22.777, 256.596

 94, 22.777,
256.596

 0, 22.777, 256.596

 44, 22.777,

 44, 22.777,

256.596

■ 42, 26.498,
259.620

■ 39, 30.047,
263.176

■ 37, 33.473,
267.261

■ 35, 36.860,
271.800

■ 33, 39.161,
274.712

256.596

■ 47, 18.864,
254.059

■ 49, 14.764,
251.949

■ 52, 10.498,
250.201

■ 55, 6.092, 248.762

■ 57, 1.574, 247.695

■ 60, 3.028, 66.356

■ 63, 7.691, 65.556

■ 66, 12.392, 64.837

■ 69, 17.115, 64.214

Harmonies

Complementary

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



44, 22.777, 256.596



45, 28.560, 61.606

Rectangle

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



44, 22.777, 256.596



44, 22.777, 306.596



44, 22.777, 76.596



44, 22.777, 126.596

Sweetspot

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



44, 22.776, 256.596



69, 9.007, 249.152



53, 37.646, 154.115



35, 6.046, 249.402



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



44, 22.776, 256.596



53, 33.152, 260.279



33, 43.108, 294.705



29, 2.610, 248.243



32, 37.987, 274.522



1, 1.780, 247.130

Inverse Universe

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



39, 38.534, 344.948



47, 55.570, 346.646



55, 38.130, 101.190



28, 4.154, 340.562



29, 54.153, 354.303



1, 2.780, 339.911

Previews

White Background



This preview shows how the CIE LCh color 44, 22.777, 256.596 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 44, 22.777, 256.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

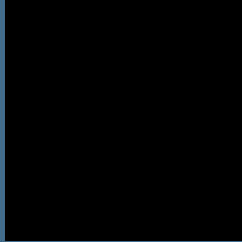
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

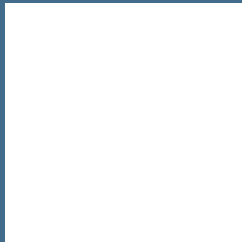
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 22.777, 256.596

Background



This preview shows how black text looks on a background with the CIELCh color 44, 22.777, 256.596.

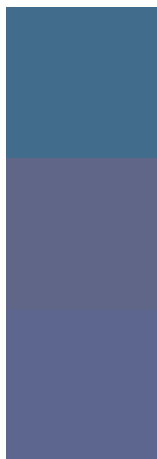


This preview shows how white text looks on a background with the CIELCh color 44, 22.777, 256.596.

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

44, 22.777, 256.596

Protanopia

44, 20.472, 286.111

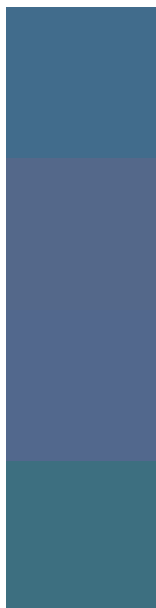
Deuteranopia

44, 24.109, 285.407



Tritanopia
44, 18.500, 214.653

Trichromacy



Original Color
44, 22.777, 256.596

Protanomaly
44, 21.206, 274.417

Deuteranomaly
44, 23.038, 274.824

Tritanomaly
44, 18.762, 231.071

Monochromacy



Original Color
44, 22.777, 256.596

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 9.062, 252.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 22.777, 256.596 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(65, 108, 140)` looks like.

```
.text, #text, p{  
    color:rgb(65, 108, 140)  
}
```

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(65, 108, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 108, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 22.777, 256.596 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(65, 108, 140) }
```

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

```
.border{ border-color:rgb(65, 108, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 108, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 108, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 108, 140);  
box-shadow:4px 4px 4px 4px rgb(65, 108,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 22.777, 256.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 108, 140) }
```

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

```
.background{ background-color: rgb(65, 108,  
140) }
```

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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