

Converting Colors

CIELCh(44, 22.456, 268.976)

Have a look what the booklet for
CIELCh(44, 22.456, 268.976)
contains.

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Color

CIELCh(44, 22.456, 268.976)

Conversions

Conversions Part 1

Format	Color
Hex	4E6A8D
RGB	78, 106, 141
RGB Percent	31%, 42%, 55%
CMY	0.6943, 0.5845, 0.4472
CMYK	0.45, 0.25, 0.00, 0.45
HSL	213°, 29%, 43%
HSV	213°, 45%, 55%
XYZ	13.0917, 13.8382, 27.1615
YIQ	101.6180, -27.9230, 4.9490

Conversions

Conversions Part 2

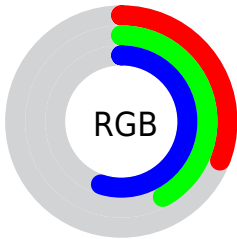
Format	Color
R_{YB}	78, 97, 141
Decimal	5139085
CIE Lab	44.00, -0.40, -22.45
CIE LCh	44, 22.456, 268.976
Yxy	13.8382, 0.2420, 0.2558
Android (android.graphics.Color)	4283329165 (0xFF4E6A8D)
YUV	101.6180, 19.4153, -20.7130
Hunter-Lab	37.1997, -2.2802, -17.2510

Details

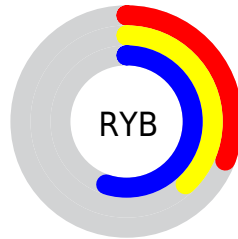
The CIELCh color `44, 22.456, 268.976` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `50, 24.352, 75.485`, and the grayscale version is `43, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 22.619, 269.420`, and `24, 22.693, 269.203` is the 20% darker color. If you saturate the color by 10%, you get `41, 27.436, 271.608`, and if you desaturate by 10%, it is `47, 17.458, 266.726`.

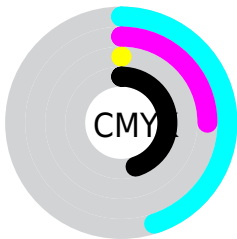
Distribution



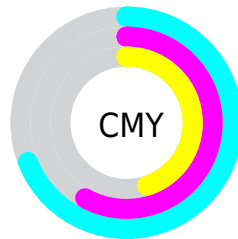
- Red (31%)
- Green (42%)
- Blue (55%)



- Red (31%)
- Yellow (38%)
- Blue (55%)



- Cyan (45%)
- Magenta (25%)
- Yellow (0%)
- Black (45%)




- Cyan (69%)
- Magenta (58%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 22.456, 268.976 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, 22.456, 268.976 by changing the saturation by 10% instead.


 44, 22.456,
268.976


 44, 22.456,
268.976


 100, 22.456,
268.976


 34, 22.456,
268.976

 64, 22.456,
268.976


 24, 22.456,
268.976

 74, 22.456,
268.976

 14, 22.456,
268.976

 84, 22.456,
268.976

 4, 22.456, 268.976

 94, 22.456,
268.976

 0, 22.456, 268.976

 44, 22.456,

 44, 22.456,

268.976

■ 41, 27.436,
271.608

■ 38, 32.417,
274.658

■ 35, 37.433,
278.127

■ 32, 42.532,
281.966

■ 29, 47.760,
286.037

■ 28, 50.617,
288.059

268.976

■ 47, 17.458,
266.726

■ 50, 12.441,
264.814

■ 54, 7.408, 263.194

■ 57, 2.369, 261.871

■ 60, 2.664, 80.473

■ 64, 7.680, 79.501

■ 67, 12.669, 78.614

■ 70, 17.623, 77.833

■ 74, 22.535, 77.142

Harmonies

Complementary

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



44, 22.456, 268.976



50, 24.352, 75.485

Rectangle

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



44, 22.456, 268.976



44, 22.456, 318.976



44, 22.456, 88.976



44, 22.456, 138.976

Sweetspot

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



44, 22.455, 268.976



69, 8.133, 262.987



54, 28.659, 161.960



35, 5.670, 263.279



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, 22.455, 268.976



53, 33.607, 271.741



36, 39.073, 297.564



28, 2.878, 262.420



27, 48.897, 287.879



1, 1.945, 261.189

Inverse Universe

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



41, 30.527, 351.507



50, 45.262, 353.166



57, 34.864, 108.334



28, 3.810, 347.483



28, 52.676, 5.985



1, 2.541, 346.752

Previews

White Background



This preview shows how the CIELCh color 44, 22.456, 268.976 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, 22.456, 268.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

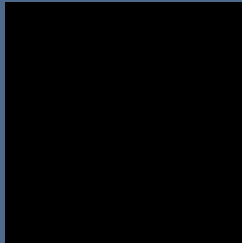
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 22.456, 268.976

Background



This preview shows how black text looks on a background with the CIELCh color 44, 22.456, 268.976.

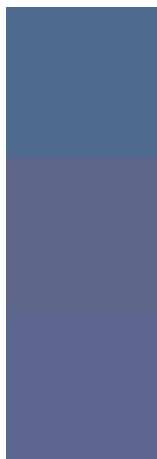


This preview shows how white text looks on a background with the CIELCh color 44, 22.456, 268.976.

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, 22.456, 268.976

Protanopia

44, 21.685, 285.811

Deuteranopia

44, 24.109, 285.407



Tritanopia
44, 14.309, 220.339

Trichromacy



Original Color
44, 22.456, 268.976

Protanomaly
44, 21.995, 279.753

Deuteranomaly
44, 23.778, 280.404

Tritanomaly
44, 15.800, 241.772

Monochromacy



Original Color
44, 22.456, 268.976

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 8.604, 264.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 22.456, 268.976 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(78, 106, 141)` looks like.

```
.text, #text, p{  
    color:rgb(78, 106, 141)  
}
```

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(78, 106, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 106, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 22.456, 268.976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

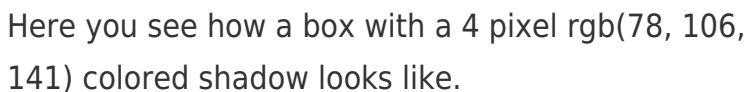
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 106, 141) }
```

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

```
.border{ border-color:rgb(78, 106, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 106, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 106, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 106, 141); box-shadow:4px 4px 4px 4px rgb(78, 106, 141) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 22.456, 268.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 106, 141) }
```

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

```
.background{ background-color: rgb(78, 106,  
141) }
```

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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