

Converting Colors

CIELCh(45, 24.590, 236.902)

Have a look what the booklet for
CIELCh(45, 24.590, 236.902)
contains.

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Color

CIELCh(45, 24.577, 237.327)

Conversions

Conversions Part 1

Format	Color
Hex	2B728C
RGB	43, 114, 140
RGB Percent	17%, 45%, 55%
CMY	0.8296, 0.5516, 0.4495
CMYK	0.69, 0.19, 0.00, 0.45
HSL	196°, 53%, 36%
HSV	196°, 69%, 55%
XYZ	11.8329, 14.5417, 27.1355
YIQ	95.7350, -50.6620, -6.9660

Conversions

Conversions Part 2

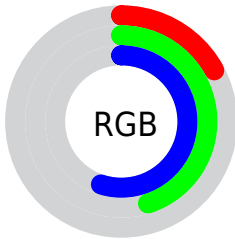
Format	Color
R_{YB}	43, 84, 140
Decimal	2847372
CIE _{Lab}	45.00, -13.27, -20.69
CIE _{LCh}	45, 24.577, 237.327
Yxy	14.5417, 0.2211, 0.2718
Android (android.graphics.Color)	4281037452 (0xFF2B728C)
YUV	95.7350, 21.8226, -46.2486
Hunter-Lab	38.1336, -11.3449, -15.4967

Details

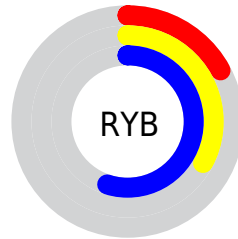
The CIELCh color **45, 24.577, 237.327** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **38, 40.333, 46.246**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 24.618, 237.711**, and **26, 21.352, 245.878** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.598, 240.442**, and if you desaturate by 10%, it is **47, 22.116, 234.802**.

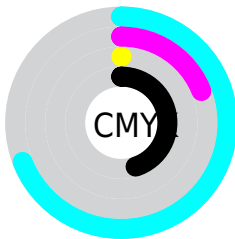
Distribution



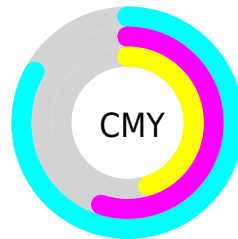
- Red (17%)
- Green (45%)
- Blue (55%)



- Red (17%)
- Yellow (33%)
- Blue (55%)



- Cyan (69%)
- Magenta (19%)
- Yellow (0%)
- Black (45%)




- Cyan (83%)
- Magenta (55%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.577, 237.327 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 45, 24.577, 237.327 by changing the saturation by 10% instead.


 45, 24.577,
237.327


 45, 24.577,
237.327


 100, 24.577,
237.327

 35, 24.577,
237.327

 65, 24.577,
237.327


 25, 24.577,
237.327

 75, 24.577,
237.327

 15, 24.577,
237.327

 85, 24.577,
237.327

 5, 24.577, 237.327

 95, 24.577,
237.327

 0, 24.577, 237.327

 45, 24.577,

 45, 24.577,

237.327

237.327

■ 43, 26.598,
240.442

■ 47, 22.116,
234.802

■ 42, 28.227,
244.205

■ 48, 19.216,
232.786

■ 41, 29.636,
248.427

■ 50, 15.905,
231.195

■ 40, 29.777,
248.820

■ 52, 12.231,
229.952

■ 54, 8.248, 228.994

■ 56, 4.010, 228.291

■ 59, 0.431, 46.682

■ 61, 5.030, 47.088

■ 63, 9.748, 46.791

Harmonies

Complementary

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



45, 24.577, 237.327



38, 40.333, 46.246

Rectangle

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



45, 24.577, 237.327



45, 24.577, 287.327



45, 24.577, 57.327



45, 24.577, 107.327

Sweetspot

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



45, 24.576, 237.327



69, 11.254, 229.202



52, 53.157, 145.874



35, 7.540, 229.423



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 24.576, 237.327



55, 33.605, 242.534



30, 47.279, 291.493



29, 2.539, 228.299



39, 28.937, 248.634



1, 1.749, 227.677

Inverse Universe

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



35, 52.138, 338.348



43, 71.055, 340.112



50, 42.720, 89.911



28, 4.649, 333.595



30, 59.075, 342.151



1, 3.118, 333.038

Previews

White Background



This preview shows how the CIELCh color 45, 24.577, 237.327 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 45, 24.577, 237.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

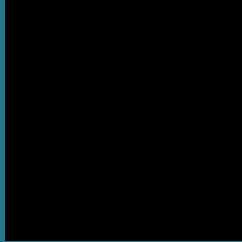
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 24.577, 237.327

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.577, 237.327.

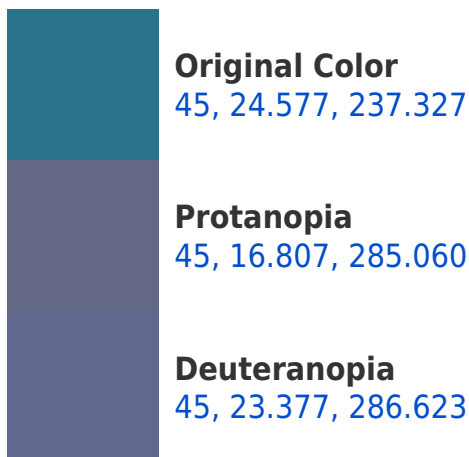



This preview shows how white text looks on a background with the CIELCh color 45, 24.577, 237.327.

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





Tritanopia
45, 24.246, 209.908

Trichromacy



Original Color
45, 24.577, 237.327

Protanomaly
44, 18.975, 261.451

Deuteranomaly
45, 22.215, 265.925

Tritanomaly
45, 23.830, 219.523

Monochromacy



Original Color
45, 24.577, 237.327

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 10.899, 228.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.577, 237.327 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(43, 114, 140)` looks like.

```
.text, #text, p{  
    color:rgb(43, 114, 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(43, 114, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 114, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.577, 237.327 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(43, 114, 140) }
```

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

```
.border{ border-color:rgb(43, 114, 140) }
```

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

Here you see how a box with a 4 pixel rgb(43, 114, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 114, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 114, 140);  
box-shadow:4px 4px 4px 4px rgb(43, 114,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.577, 237.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 114, 140) }
```

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

```
.background{ background-color: rgb(43, 114,  
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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