

Converting Colors

CIELCh(46, 25.366, 264.117)

Have a look what the booklet for
CIELCh(46, 25.366, 264.117)
contains.

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Color

CIELCh(46, 25.617, 264.502)

Conversions

Conversions Part 1

Format	Color
Hex	487097
RGB	72, 112, 151
RGB Percent	28%, 44%, 59%
CMY	0.7167, 0.5599, 0.4069
CMYK	0.52, 0.26, 0.00, 0.41
HSL	210°, 35%, 44%
HSV	210°, 52%, 59%
XYZ	14.1162, 15.2687, 31.5858
YIQ	104.4860, -36.3590, 3.6490

Conversions

Conversions Part 2

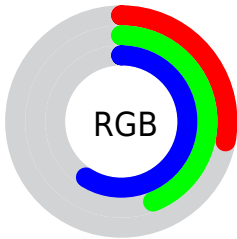
Format	Color
R_{YB}	72, 99, 151
Decimal	4747415
CIE _{Lab}	46.00, -2.45, -25.50
CIE _{LCh}	46, 25.617, 264.502
Yxy	15.2687, 0.2315, 0.2504
Android (android.graphics.Color)	4282937495 (0xFF487097)
YUV	104.4860, 22.9314, -28.4902
Hunter-Lab	39.0751, -3.8969, -20.5736

Details

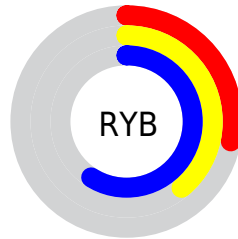
The CIELCh color **46, 25.617, 264.502** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 29.893, 68.421**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.316, 263.443**, and **26, 25.882, 265.489** is the 20% darker color. If you saturate the color by 10%, you get **43, 30.231, 267.540**, and if you desaturate by 10%, it is **49, 20.903, 261.918**.

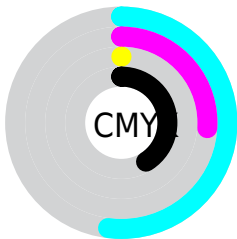
Distribution



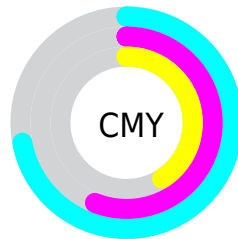
- Red (28%)
- Green (44%)
- Blue (59%)



- Red (28%)
- Yellow (39%)
- Blue (59%)



- Cyan (52%)
- Magenta (26%)
- Yellow (0%)
- Black (41%)





- Cyan (72%)
- Magenta (56%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.617, 264.502 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 46, 25.617, 264.502 by changing the saturation by 10% instead.


 46, 25.617,
264.502


 46, 25.617,
264.502


 100, 25.617,
264.502


 36, 25.617,
264.502

 66, 25.617,
264.502


 26, 25.617,
264.502

 76, 25.617,
264.502

 16, 25.617,
264.502

 86, 25.617,
264.502

 6, 25.617, 264.502

 96, 25.617,
264.502

 0, 25.617, 264.502

 46, 25.617,

 46, 25.617,

264.502

264.502

■ 43, 30.231,
267.540

■ 49, 20.903,
261.918

■ 40, 34.776,
271.057

■ 52, 16.087,
259.738

■ 37, 39.305,
275.031

■ 55, 11.175,
257.906

■ 35, 43.892,
279.368

■ 59, 6.185, 256.376

■ 33, 47.575,
282.686

■ 62, 1.138, 255.280

■ 65, 3.948, 73.819

■ 68, 9.053, 72.904

■ 72, 14.161, 72.088

■ 75, 19.261, 71.375

Harmonies

Complementary

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



46, 25.617, 264.502



50, 29.893, 68.421

Rectangle

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



46, 25.617, 264.502



46, 25.617, 314.502



46, 25.617, 84.502



46, 25.617, 134.502

Sweetspot

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



46, 25.616, 264.502



73, 9.986, 256.967



57, 37.024, 157.395



38, 6.788, 257.254



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 25.616, 264.502



55, 37.788, 268.212



35, 48.257, 297.090



31, 2.890, 255.976



30, 44.734, 282.353



2, 3.159, 255.681

Inverse Universe

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



42, 38.659, 348.789



50, 56.008, 350.779



61, 42.010, 104.597



30, 4.202, 344.021



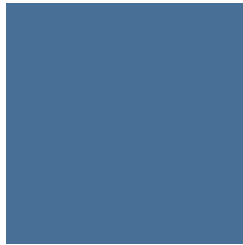
30, 54.488, 0.398



1, 4.467, 343.774

Previews

White Background



This preview shows how the CIE LCh color 46, 25.617, 264.502 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 46, 25.617, 264.502 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

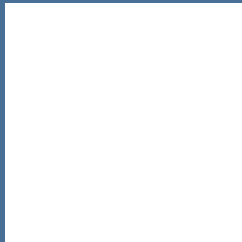
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 25.617, 264.502

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.617, 264.502.

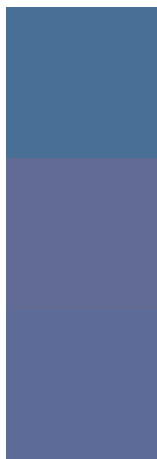


This preview shows how white text looks on a background with the CIELCh color 46, 25.617, 264.502.

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

46, 25.617, 264.502

Protanopia

46, 23.917, 285.209

Deuteranopia

46, 26.978, 283.952



Tritanopia
46, 18.297, 214.772

Trichromacy



Original Color
46, 25.617, 264.502

Protanomaly
46, 24.460, 276.983

Deuteranomaly
46, 26.344, 276.607

Tritanomaly
46, 19.126, 236.873

Monochromacy



Original Color
46, 25.617, 264.502

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 9.916, 256.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.617, 264.502 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(72, 112, 151)` looks like.

```
.text, #text, p{  
    color:rgb(72, 112, 151)  
}
```

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(72, 112, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 112, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.617, 264.502 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(72, 112, 151) }
```

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

```
.border{ border-color:rgb(72, 112, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 112, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 112, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 112, 151);  
box-shadow:4px 4px 4px 4px rgb(72, 112,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.617, 264.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 112, 151) }
```

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

```
.background{ background-color: rgb(72, 112,  
151) }
```

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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