

Converting Colors

CIELCh(46, 26.032, 262.397)

Have a look what the booklet for
CIELCh(46, 26.032, 262.397)
contains.

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Color

CIELCh(46, 26.032, 262.397)

Conversions

Conversions Part 1

Format	Color
Hex	457198
RGB	69, 113, 152
RGB Percent	27%, 44%, 60%
CMY	0.7305, 0.5578, 0.4050
CMYK	0.55, 0.26, 0.00, 0.40
HSL	208°, 38%, 43%
HSV	208°, 55%, 60%
XYZ	13.9585, 15.2687, 31.8039
YIQ	104.2900, -38.7430, 2.8010

Conversions

Conversions Part 2

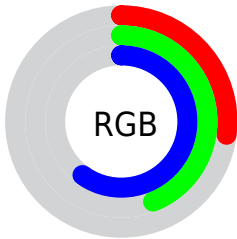
Format	Color
R _{YB}	69, 98, 152
Decimal	4551064
CIE Lab	46.00, -3.44, -25.80
CIE LCh	46, 26.032, 262.397
Yxy	15.2687, 0.2287, 0.2502
Android (android.graphics.Color)	4282741144 (0xFF457198)
YUV	104.2900, 23.5210, -30.9493
Hunter-Lab	39.0751, -4.6174, -20.9045

Details

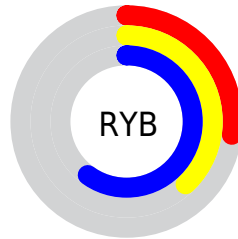
The CIELCh color **46, 26.032, 262.397** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **49, 31.414, 65.714**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 25.678, 261.693**, and **26, 26.291, 263.217** is the 20% darker color. If you saturate the color by 10%, you get **43, 30.384, 265.561**, and if you desaturate by 10%, it is **49, 21.546, 259.712**.

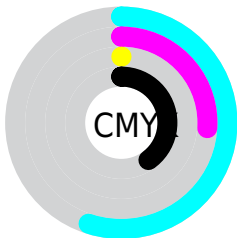
Distribution



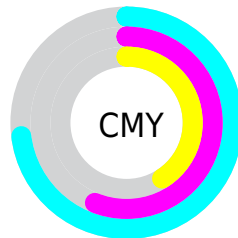
- Red (27%)
- Green (44%)
- Blue (60%)



- Red (27%)
- Yellow (38%)
- Blue (60%)



- Cyan (55%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)





- Cyan (73%)
- Magenta (56%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 26.032, 262.397 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, 26.032, 262.397 by changing the saturation by 10% instead.


 46, 26.032,
262.397


 46, 26.032,
262.397


 100, 26.032,
262.397


 36, 26.032,
262.397

 66, 26.032,
262.397


 26, 26.032,
262.397

 76, 26.032,
262.397

 16, 26.032,
262.397

 86, 26.032,
262.397

 6, 26.032, 262.397

 96, 26.032,
262.397

 0, 26.032, 262.397

 46, 26.032,

 46, 26.032,

262.397

262.397

■ 43, 30.384,
265.561

■ 49, 21.546,
259.712

■ 40, 34.636,
269.226

■ 52, 16.920,
257.456

■ 38, 38.848,
273.365

■ 55, 12.166,
255.568

■ 35, 43.107,
277.859

■ 58, 7.303, 253.996

■ 34, 45.444,
280.141

■ 61, 2.355, 252.750

■ 64, 2.655, 71.362

■ 68, 7.706, 70.477

■ 71, 12.777, 69.666

■ 74, 17.854, 68.959

Harmonies

Complementary

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



46, 26.032, 262.397



49, 31.414, 65.714

Rectangle

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



46, 26.032, 262.397



46, 26.032, 312.397



46, 26.032, 82.397



46, 26.032, 132.397

Sweetspot

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



46, 26.031, 262.397



73, 9.794, 254.230



57, 39.248, 156.224



38, 6.654, 254.511



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, 26.031, 262.397



55, 38.110, 266.463



34, 49.983, 297.003



31, 2.839, 253.262



31, 42.629, 279.783



2, 3.107, 253.068

Inverse Universe

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



41, 40.925, 347.678



49, 58.693, 349.754



60, 43.300, 103.586



30, 4.271, 342.735



30, 54.808, 358.195



1, 4.542, 342.510

Previews

White Background



This preview shows how the CIELCh color 46, 26.032, 262.397 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, 26.032, 262.397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

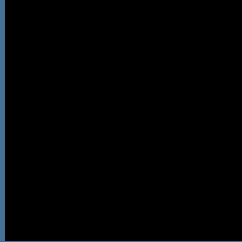
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

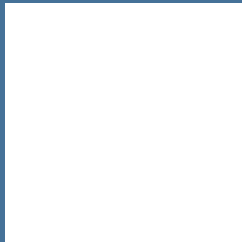
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 26.032, 262.397

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.032, 262.397.

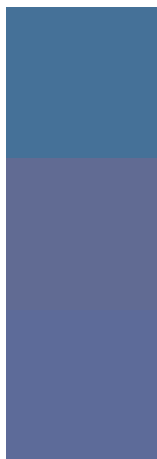


This preview shows how white text looks on a background with the CIELCh color 46, 26.032, 262.397.

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, 26.032, 262.397

Protanopia

46, 23.917, 285.209

Deuteranopia

46, 27.556, 284.276



Tritanopia
46, 19.561, 215.383

Trichromacy



Original Color
46, 26.032, 262.397

Protanomaly
46, 24.534, 276.295

Deuteranomaly
46, 26.969, 276.522

Tritanomaly
46, 20.190, 236.588

Monochromacy



Original Color
46, 26.032, 262.397

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 10.124, 255.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.032, 262.397 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(69, 113, 152)` looks like.

```
.text, #text, p{  
    color:rgb(69, 113, 152)  
}
```

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(69, 113, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 113, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.032, 262.397 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(69, 113, 152) }
```

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

```
.border{ border-color:rgb(69, 113, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 113, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 113, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 113, 152);  
box-shadow:4px 4px 4px 4px rgb(69, 113,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.032, 262.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 113, 152) }
```

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

```
.background{ background-color: rgb(69, 113,  
152) }
```

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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