

Converting Colors

CIELCh(49, 22.152, 258.563)

Have a look what the booklet for
CIELCh(49, 22.152, 258.563)
contains.

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Color

CIELCh(49, 22.351, 259.564)

Conversions

Conversions Part 1

Format	Color
Hex	527899
RGB	82, 120, 153
RGB Percent	32%, 47%, 60%
CMY	0.6776, 0.5286, 0.3991
CMYK	0.46, 0.22, 0.00, 0.40
HSL	208°, 30%, 46%
HSV	208°, 46%, 60%
XYZ	16.0081, 17.5941, 32.7848
YIQ	112.4000, -33.2410, 2.2070

Conversions

Conversions Part 2

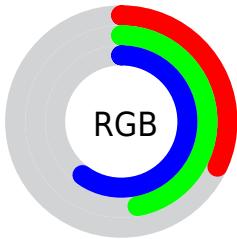
Format	Color
R _Y B	82, 107, 153
Decimal	5404825
CIE Lab	49.00, -4.05, -21.98
CIE LCh	49, 22.351, 259.564
Yxy	17.5941, 0.2411, 0.2650
Android (android.graphics.Color)	4283594905 (0xFF527899)
YUV	112.4000, 20.0158, -26.6608
Hunter-Lab	41.9453, -5.2810, -16.9799

Details

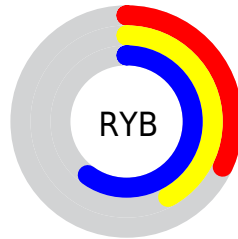
The CIELCh color $49, 22.351, 259.564$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $52, 26.259, 66.192$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 22.181, 259.550$, and $29, 22.350, 259.033$ is the 20% darker color. If you saturate the color by 10%, you get $46, 26.806, 262.324$, and if you desaturate by 10%, it is $52, 17.746, 257.243$.

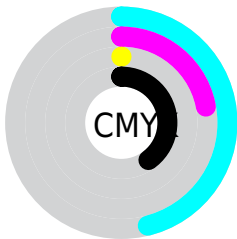
Distribution



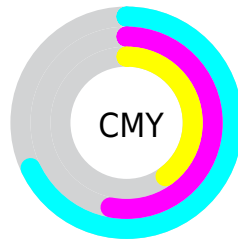
- Red (32%)
- Green (47%)
- Blue (60%)



- Red (32%)
- Yellow (42%)
- Blue (60%)



- Cyan (46%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (68%)
- Magenta (53%)
- Yellow (40%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.351, 259.564 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 49, 22.351, 259.564 by changing the saturation by 10% instead.


 49, 22.351,
259.564

 49, 22.351,
259.564

 100, 22.351,
259.564

 39, 22.351,
259.564

 69, 22.351,
259.564

 29, 22.351,
259.564

 79, 22.351,
259.564

 19, 22.351,
259.564

 89, 22.351,
259.564

 9, 22.351, 259.564

 99, 22.351,
259.564

 0, 22.351, 259.564

 49, 22.351,

 49, 22.351,

259.564

■ 46, 26.806,
262.324

■ 43, 31.123,
265.575

■ 41, 35.338,
269.333

■ 38, 39.518,
273.559

■ 36, 43.760,
278.089

■ 35, 45.369,
279.656

259.564

■ 52, 17.746,
257.243

■ 55, 13.004,
255.302

■ 58, 8.142, 253.686

■ 61, 3.186, 252.378

■ 64, 1.841, 70.943

■ 68, 6.914, 70.090

■ 71, 12.014, 69.269

■ 74, 17.125, 68.552

■ 77, 22.231, 67.926

Harmonies

Complementary

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



49, 22.351, 259.564



52, 26.259, 66.192

Rectangle

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



49, 22.351, 259.564



49, 22.351, 309.564



49, 22.351, 79.564



49, 22.351, 129.564

Sweetspot

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



49, 22.350, 259.563



75, 8.644, 253.390



58, 34.483, 156.544



38, 5.942, 253.675



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 22.350, 259.563



59, 32.922, 262.554



39, 41.196, 294.667



31, 2.829, 252.718



32, 42.226, 279.253



2, 3.098, 252.545

Inverse Universe

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



45, 35.498, 346.264



53, 52.083, 347.753



61, 36.903, 103.539



30, 4.285, 342.488



30, 54.882, 357.768



1, 4.557, 342.267

Previews

White Background



This preview shows how the CIELCh color 49, 22.351, 259.564 looks on a white background.

Color Contrast Check

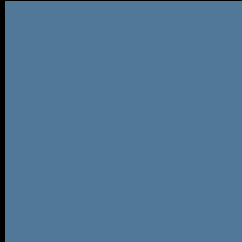
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 22.351, 259.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

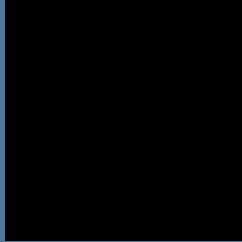
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

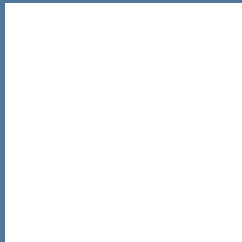
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 22.351, 259.564

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.351, 259.564.

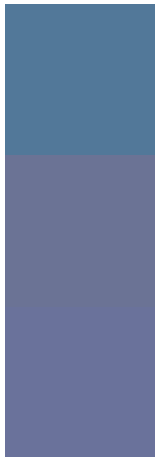


This preview shows how white text looks on a background with the CIELCh color 49, 22.351, 259.564.

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

49, 22.351, 259.564

Protanopia

49, 20.093, 284.747

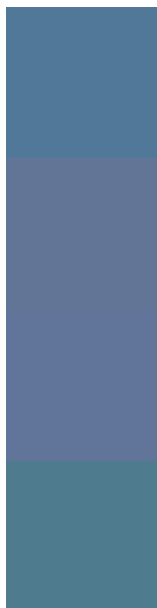
Deuteranopia

49, 24.174, 286.811



Tritanopia
49, 17.124, 218.076

Trichromacy



Original Color
49, 22.351, 259.564

Protanomaly
49, 20.738, 274.614

Deuteranomaly
49, 22.971, 277.011

Tritanomaly
49, 17.920, 234.592

Monochromacy



Original Color
49, 22.351, 259.564

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.686, 253.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.351, 259.564 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(82, 120, 153)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 153)  
}
```

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(82, 120, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.351, 259.564 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(82, 120, 153) }
```

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

```
.border{ border-color:rgb(82, 120, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 120, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 153);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.351, 259.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 153) }
```

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

```
.background{ background-color: rgb(82, 120,  
153) }
```

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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