

Converting Colors

CIELCh(45, 13.868, 282.880)

Have a look what the booklet for
CIELCh(45, 13.868, 282.880)
contains.

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Color

CIELCh(45, 13.846, 282.856)

Conversions

Conversions Part 1

Format	Color
Hex	646A81
RGB	100, 106, 129
RGB Percent	39%, 42%, 51%
CMY	0.6087, 0.5851, 0.4950
CMYK	0.23, 0.18, 0.00, 0.49
HSL	228°, 13%, 45%
HSV	228°, 23%, 51%
XYZ	14.3130, 14.5417, 22.7461
YIQ	106.8280, -10.9590, 5.8810

Conversions

Conversions Part 2

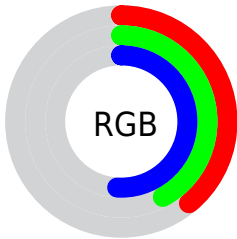
Format	Color
R_{YB}	100, 105, 129
Decimal	6580865
CIE Lab	45.00, 3.08, -13.50
CIE LCh	45, 13.846, 282.856
Yxy	14.5417, 0.2774, 0.2818
Android (android.graphics.Color)	4284770945 (0xFF646A81)
YUV	106.8280, 10.9308, -5.9882
Hunter-Lab	38.1336, 0.2642, -8.6721

Details

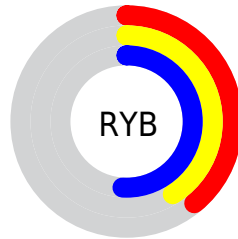
The CIELCh color $45, 13.846, 282.856$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 13.534, 97.460$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 14.015, 282.924$, and $25, 13.946, 283.459$ is the 20% darker color. If you saturate the color by 10%, you get $41, 20.284, 284.470$, and if you desaturate by 10%, it is $49, 7.592, 281.468$.

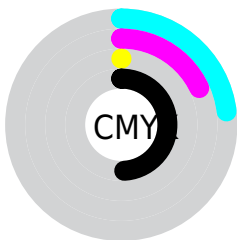
Distribution



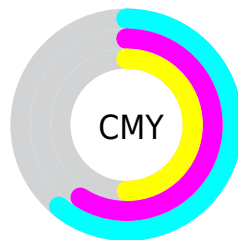
- Red (39%)
- Green (42%)
- Blue (51%)



- Red (39%)
- Yellow (41%)
- Blue (51%)



- Cyan (23%)
- Magenta (18%)
- Yellow (0%)
- Black (49%)





- Cyan (61%)
- Magenta (59%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.846, 282.856 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, 13.846, 282.856 by changing the saturation by 10% instead.


 45, 13.846,
282.856


 45, 13.846,
282.856


 100, 13.846,
282.856


 35, 13.846,
282.856

 65, 13.846,
282.856


 25, 13.846,
282.856

 75, 13.846,
282.856

 15, 13.846,
282.856

 85, 13.846,
282.856

 5, 13.846, 282.856

 95, 13.846,
282.856

 0, 13.846, 282.856

 45, 13.846,

 45, 13.846,

282.856

■ 41, 20.284,
284.470

■ 37, 26.925,
286.347

■ 33, 33.787,
288.513

■ 29, 40.884,
290.974

■ 26, 48.198,
293.700

■ 22, 55.634,
296.596

■ 19, 62.934,
299.489

■ 17, 68.087,
301.365

282.856

■ 49, 7.592, 281.468

■ 53, 1.509, 280.330

■ 57, 4.412, 99.188

■ 61, 10.182, 98.301

■ 65, 15.806, 97.516

■ 68, 21.291, 96.824

■ 72, 26.643, 96.212

■ 76, 31.866, 95.667

■ 80, 36.967, 95.180

Harmonies

Complementary

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



45, 13.846, 282.856



51, 13.534, 97.460

Rectangle

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



45, 13.846, 282.856



45, 13.846, 332.856



45, 13.846, 102.856



45, 13.846, 152.856

Sweetspot

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



45, 13.845, 282.854



66, 5.251, 280.816



52, 11.745, 180.009



34, 3.397, 280.867



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 13.845, 282.854



56, 20.815, 283.651



44, 17.742, 302.612



25, 3.377, 281.043



17, 67.534, 301.337



0, 0.000, 0.000

Inverse Universe

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



45, 12.730, 4.939



56, 19.214, 5.583



53, 16.998, 119.890



25, 3.061, 3.461



26, 54.489, 27.006



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.846, 282.856 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, 13.846, 282.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

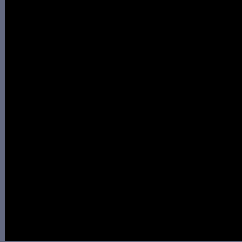
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

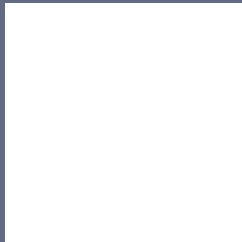
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 13.846, 282.856

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.846, 282.856.



This preview shows how white text looks on a background with the CIELCh color 45, 13.846, 282.856.

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

45, 13.846, 282.856

Protanopia

45, 14.379, 286.256

Deuteranopia

45, 14.961, 293.684



Tritanopia
45, 6.754, 251.985

Trichromacy



Original Color
45, 13.846, 282.856

Protanomaly
45, 14.379, 286.256

Deuteranomaly
45, 14.337, 289.189

Tritanomaly
45, 8.944, 268.825

Monochromacy



Original Color
45, 13.846, 282.856

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.894, 276.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.846, 282.856 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(100, 106, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 106, 129)  
}
```

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(100, 106, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 106, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.846, 282.856 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(100, 106, 129) }
```

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

```
.border{ border-color:rgb(100, 106, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 106, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 106, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 106, 129);  
box-shadow:4px 4px 4px 4px rgb(100, 106,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.846, 282.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 106, 129) }
```

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

```
.background{ background-color: rgb(100,  
106, 129) }
```

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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