

Converting Colors

CIELCh(45, 8.069, 269.901)

Have a look what the booklet for
CIELCh(45, 8.069, 269.901) contains.

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Color

CIELCh(45, 8.267, 269.504)

Conversions

Conversions Part 1

Format	Color
Hex	636B78
RGB	99, 107, 120
RGB Percent	39%, 42%, 47%
CMY	0.6115, 0.5801, 0.5292
CMYK	0.17, 0.11, 0.00, 0.53
HSL	217°, 10%, 43%
HSV	217°, 17%, 47%
XYZ	13.8102, 14.5417, 19.8682
YIQ	106.0900, -8.9410, 2.3470

Conversions

Conversions Part 2

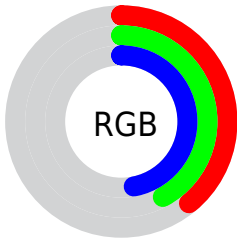
Format	Color
R _Y B	99, 105, 120
Decimal	6515576
CIE Lab	45.00, -0.07, -8.27
CIE LCh	45, 8.267, 269.504
Yxy	14.5417, 0.2864, 0.3016
Android (android.graphics.Color)	4284705656 (0xFF636B78)
YUV	106.0900, 6.8576, -6.2179
Hunter-Lab	38.1336, -2.0896, -4.1975

Details

The CIELCh color `45, 8.267, 269.504` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `48, 8.376, 84.970`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 8.249, 270.363`, and `25, 8.447, 269.189` is the 20% darker color. If you saturate the color by 10%, you get `42, 13.046, 271.140`, and if you desaturate by 10%, it is `48, 3.527, 268.109`.

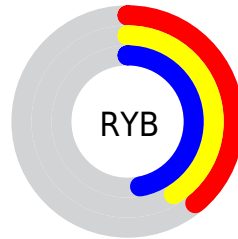
Distribution



Red (39%)

Green (42%)

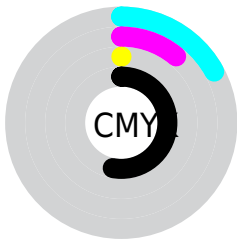
Blue (47%)



Red (39%)

Yellow (41%)

Blue (47%)

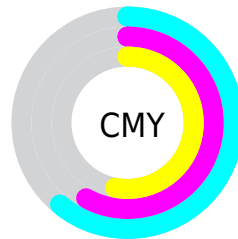


Cyan (17%)

Magenta (11%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 8.267, 269.504 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, 8.267, 269.504 by changing the saturation by 10% instead.

■ 45, 8.267, 269.504

■ 45, 8.267, 269.504

■ 100, 8.267,
269.504

■ 35, 8.267, 269.504

■ 65, 8.267, 269.504

■ 25, 8.267, 269.504

■ 75, 8.267, 269.504

■ 15, 8.267, 269.504

■ 85, 8.267, 269.504

■ 5, 8.267, 269.504

■ 95, 8.267, 269.504

■ 0, 8.267, 269.504

■ 45, 8.267, 269.504

■ 45, 8.267, 269.504

■ 42, 13.046,
271.140

■ 48, 3.527, 268.109

■ 39, 17.867,

■ 51, 1.167, 86.667

273.059

54, 5.813, 85.732

36, 22.733,
275.294

57, 10.406, 84.816

33, 27.655,
277.880

61, 14.943, 84.004

30, 32.656,
280.837

64, 19.421, 83.284

27, 37.762,
284.147

67, 23.836, 82.642

70, 28.189, 82.066

24, 42.997,
287.737

73, 32.478, 81.547

22, 48.366,
291.342

21, 49.737,
292.157

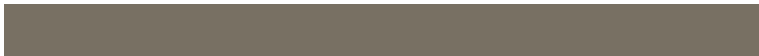
Harmonies

Complementary

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



45, 8.267, 269.504



48, 8.376, 84.970

Rectangle

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



45, 8.267, 269.504



45, 8.267, 319.504



45, 8.267, 89.504



45, 8.267, 139.504

Sweetspot

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



45, 8.266, 269.498



62, 2.909, 267.827



49, 9.639, 168.933



32, 2.000, 267.892



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 8.266, 269.498



56, 12.288, 270.127



43, 12.719, 296.234



24, 2.695, 268.312



22, 51.407, 292.331



46, 91.535, 294.477

Inverse Universe

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



44, 9.969, 352.173



55, 14.875, 352.599



50, 12.252, 113.441



24, 3.220, 351.332



25, 49.988, 11.551



54, 84.757, 14.655

Previews

White Background



This preview shows how the CIELCh color 45, 8.267, 269.504 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 45, 8.267, 269.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

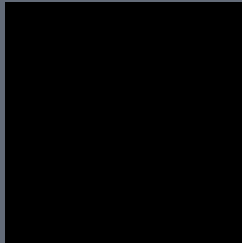
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

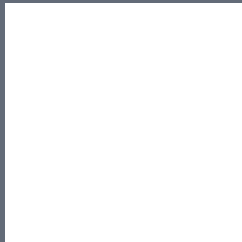
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 8.267, 269.504

Background



This preview shows how black text looks on a background with the CIELCh color 45, 8.267, 269.504.

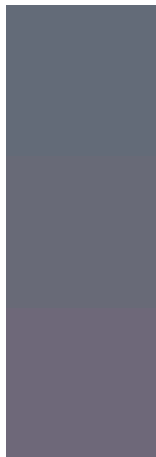


This preview shows how white text looks on a background with the CIELCh color 45, 8.267, 269.504.

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, 8.267, 269.504

Protanopia

45, 7.784, 285.534

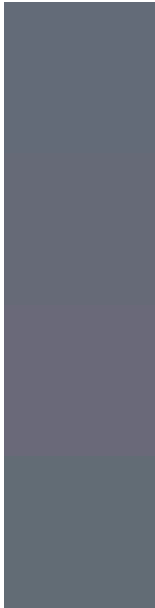
Deuteranopia

45, 10.464, 304.519



Tritanopia
45, 6.075, 251.105

Trichromacy



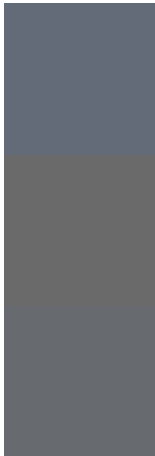
Original Color
45, 8.267, 269.504

Protanomaly
45, 7.883, 279.942

Deuteranomaly
45, 9.576, 293.833

Tritanomaly
45, 6.534, 254.622

Monochromacy



Original Color
45, 8.267, 269.504

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.201, 268.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 8.267, 269.504 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(99, 107, 120)` looks like.

```
.text, #text, p{  
    color:rgb(99, 107, 120)  
}
```

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(99, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 107, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 8.267, 269.504 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(99, 107, 120) }
```

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

```
.border{ border-color:rgb(99, 107, 120) }
```

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

Here you see how a box with a 4 pixel rgb(99, 107, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(99, 107,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 8.267, 269.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 107, 120) }
```

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

```
.background{ background-color: rgb(99, 107,  
120) }
```

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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