

Converting Colors

CIELCh(45, 20.564, 281.272)

Have a look what the booklet for
CIELCh(45, 20.564, 281.272)
contains.

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Color

CIELCh(45, 20.564, 281.272)

Conversions

Conversions Part 1

Format	Color
Hex	5E6A8C
RGB	94, 106, 140
RGB Percent	37%, 42%, 55%
CMY	0.6319, 0.5848, 0.4515
CMYK	0.33, 0.24, 0.00, 0.45
HSL	224°, 20%, 46%
HSV	224°, 33%, 55%
XYZ	14.4651, 14.5417, 26.8001
YIQ	106.2880, -18.0660, 8.0300

Conversions

Conversions Part 2

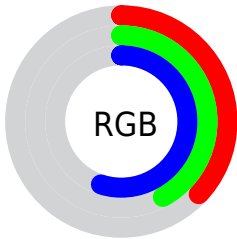
Format	Color
R _Y B	94, 104, 140
Decimal	6187660
CIE Lab	45.00, 4.02, -20.17
CIE LCh	45, 20.564, 281.272
Yxy	14.5417, 0.2592, 0.2606
Android (android.graphics.Color)	4284377740 (0xFF5E6A8C)
YUV	106.2880, 16.6200, -10.7766
Hunter-Lab	38.1336, 0.9760, -14.9752

Details

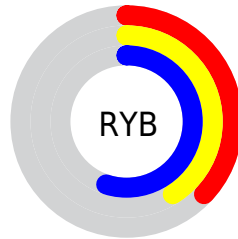
The CIELCh color **45, 20.564, 281.272** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **54, 20.166, 92.561**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 20.798, 281.996**, and **25, 20.684, 281.777** is the 20% darker color. If you saturate the color by 10%, you get **41, 27.156, 283.255**, and if you desaturate by 10%, it is **49, 14.140, 279.566**.

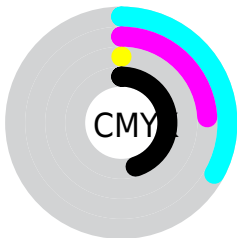
Distribution



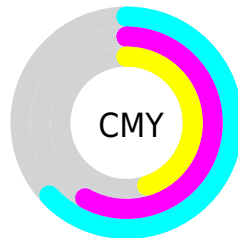
- Red (37%)
- Green (42%)
- Blue (55%)



- Red (37%)
- Yellow (41%)
- Blue (55%)



- Cyan (33%)
- Magenta (24%)
- Yellow (0%)
- Black (45%)





- Cyan (63%)
- Magenta (58%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 20.564, 281.272 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, 20.564, 281.272 by changing the saturation by 10% instead.


 45, 20.564,
281.272


 45, 20.564,
281.272


 100, 20.564,
281.272


 35, 20.564,
281.272

 65, 20.564,
281.272


 25, 20.564,
281.272

 75, 20.564,
281.272

 15, 20.564,
281.272

 85, 20.564,
281.272

 5, 20.564, 281.272

 95, 20.564,
281.272

 0, 20.564, 281.272

 45, 20.564,

 45, 20.564,

281.272

281.272

■ 41, 27.156,
283.255

■ 49, 14.140,
279.566

■ 37, 33.938,
285.547

■ 53, 7.872, 278.105

■ 33, 40.930,
288.162

■ 57, 1.748, 276.906

■ 61, 4.238, 95.690

■ 29, 48.139,
291.076

■ 65, 10.093, 94.757

■ 26, 55.516,
294.205

■ 69, 15.820, 93.929

■ 73, 21.422, 93.197

■ 23, 62.900,
297.389

■ 77, 26.904, 92.548

■ 21, 68.015,
299.429

■ 81, 32.268, 91.969

Harmonies

Complementary

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



45, 20.564, 281.272



54, 20.166, 92.561

Rectangle

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



45, 20.564, 281.272



45, 20.564, 331.272



45, 20.564, 101.272



45, 20.564, 151.272

Sweetspot

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



45, 20.563, 281.271



69, 7.521, 277.753



55, 18.563, 175.178



36, 5.178, 277.915



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 20.563, 281.271



54, 30.368, 282.616



43, 28.119, 301.780



27, 3.390, 277.617



19, 65.109, 299.265



0, 1.559, 276.492

Inverse Universe

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



45, 20.620, 2.350



55, 30.460, 3.415



56, 26.225, 117.213



27, 3.338, 359.496



27, 54.479, 22.815



0, 1.519, 358.720

Previews

White Background



This preview shows how the CIELCh color 45, 20.564, 281.272 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, 20.564, 281.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

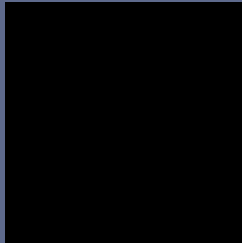
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

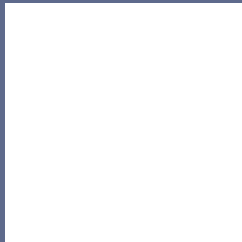
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 20.564, 281.272

Background



This preview shows how black text looks on a background with the CIELCh color 45, 20.564, 281.272.



This preview shows how white text looks on a background with the CIELCh color 45, 20.564, 281.272.

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, 20.564, 281.272

Protanopia

45, 20.407, 285.054

Deuteranopia

45, 20.960, 286.316



Tritanopia
45, 9.381, 233.776

Trichromacy



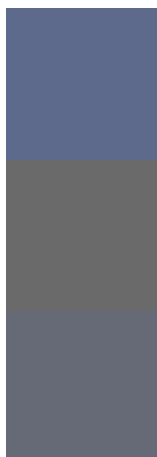
Original Color
45, 20.564, 281.272

Protanomaly
45, 20.447, 284.104

Deuteranomaly
45, 21.032, 284.467

Tritanomaly
45, 12.726, 262.587

Monochromacy



Original Color
45, 20.564, 281.272

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 7.300, 278.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 20.564, 281.272 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(94, 106, 140)` looks like.

```
.text, #text, p{  
    color:rgb(94, 106, 140)  
}
```

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(94, 106, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 106, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 20.564, 281.272 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(94, 106, 140) }
```

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

```
.border{ border-color:rgb(94, 106, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 106, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 106, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 106, 140);  
box-shadow:4px 4px 4px 4px rgb(94, 106,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 20.564, 281.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 106, 140) }
```

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

```
.background{ background-color: rgb(94, 106,  
140) }
```

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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