

Converting Colors

CIELCh(45, 20.989, 230.172)

Have a look what the booklet for
CIELCh(45, 20.989, 230.172)
contains.

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Color

CIELCh(45, 21.015, 230.722)

Conversions

Conversions Part 1

Format	Color
Hex	377285
RGB	55, 114, 133
RGB Percent	22%, 45%, 52%
CMY	0.7843, 0.5529, 0.4784
CMYK	0.59, 0.14, 0.00, 0.48
HSL	195°, 41%, 37%
HSV	195°, 59%, 52%
XYZ	11.8277, 14.5417, 24.3755
YIQ	98.5250, -41.2630, -6.5990

Conversions

Conversions Part 2

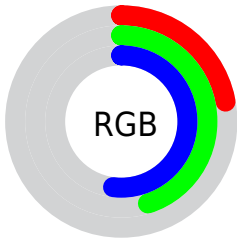
Format	Color
R _Y B	55, 89, 133
Decimal	3633797
CIE Lab	45.00, -13.30, -16.27
CIE LCh	45, 21.015, 230.722
Yxy	14.5417, 0.2331, 0.2866
Android (android.graphics.Color)	4281823877 (0xFF377285)
YUV	98.5250, 16.9962, -38.1714
Hunter-Lab	38.1336, -11.3692, -11.2054




Details

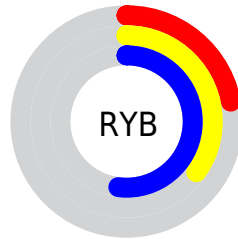
The CIELCh color **45, 21.015, 230.722** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 31.989, 43.900**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **65, 20.963, 230.415**, and **25, 19.338, 233.056** is the 20% darker color. If you saturate the color by 10%, you get **44, 23.301, 232.958**, and if you desaturate by 10%, it is **47, 18.278, 228.953**.

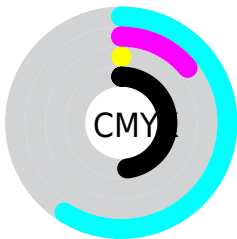
Distribution







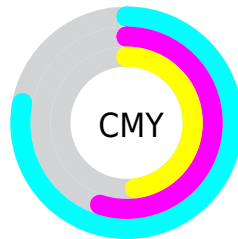
-  Red (22%)
-  Green (45%)
-  Blue (52%)






-  Red (22%)
-  Yellow (35%)
-  Blue (52%)



-  Cyan (59%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (48%)





-  Cyan (78%)
-  Magenta (55%)
-  Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 21.015, 230.722 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, 21.015, 230.722 by changing the saturation by 10% instead.


 45, 21.015,
230.722


 45, 21.015,
230.722


 100, 21.015,
230.722


 35, 21.015,
230.722

 65, 21.015,
230.722


 25, 21.015,
230.722


 75, 21.015,
230.722

 15, 21.015,
230.722

 85, 21.015,
230.722

 5, 21.015, 230.722

 95, 21.015,
230.722

 0, 21.015, 230.722

 45, 21.015,

 45, 21.015,

230.722

■ 44, 23.301,
232.958

■ 42, 25.131,
235.747

■ 41, 26.536,
239.156

■ 40, 27.679,
243.031

■ 39, 27.841,
243.544

230.722

■ 47, 18.278,
228.953

■ 48, 15.125,
227.575

■ 50, 11.607,
226.514

■ 52, 7.778, 225.713

■ 54, 3.695, 225.150

■ 56, 0.591, 43.920

■ 58, 5.035, 44.169

■ 60, 9.598, 43.967

■ 62, 14.247, 43.816

Harmonies

Complementary

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



45, 21.015, 230.722



38, 31.989, 43.900

Rectangle

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



45, 21.015, 230.722



45, 21.015, 280.722



45, 21.015, 50.722



45, 21.015, 100.722

Sweetspot

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



45, 21.014, 230.721



67, 9.334, 225.697



50, 45.384, 146.287



34, 6.414, 225.876



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 21.014, 230.721



56, 29.008, 233.720



33, 36.107, 286.588



27, 2.403, 225.171



39, 27.379, 243.436



0, 0.588, 224.656

Inverse Universe

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



36, 44.823, 336.213



43, 63.178, 337.346



48, 34.365, 88.850



26, 4.448, 332.634



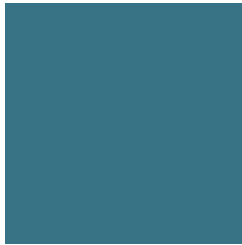
28, 58.471, 340.467



0, 1.058, 332.097

Previews

White Background



This preview shows how the CIE LCh color 45, 21.015, 230.722 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, 21.015, 230.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

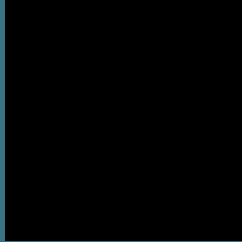
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 21.015, 230.722

Background



This preview shows how black text looks on a background with the CIELCh color 45, 21.015, 230.722.



This preview shows how white text looks on a background with the CIELCh color 45, 21.015, 230.722.

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, 21.015, 230.722

Protanopia

45, 13.196, 285.509

Deuteranopia

45, 18.535, 289.392



Tritanopia
45, 20.628, 214.365

Trichromacy



Original Color
45, 21.015, 230.722

Protanomaly
45, 14.857, 257.035

Deuteranomaly
45, 17.288, 263.582

Tritanomaly
45, 20.655, 219.764

Monochromacy



Original Color
45, 21.015, 230.722

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.906, 227.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 21.015, 230.722 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(55, 114, 133)` looks like.

```
.text, #text, p{  
    color:rgb(55, 114, 133)  
}
```

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(55, 114, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 114, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 21.015, 230.722 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(55, 114, 133) }
```

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

```
.border{ border-color:rgb(55, 114, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 114, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 114, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 114, 133);  
box-shadow:4px 4px 4px 4px rgb(55, 114,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 21.015, 230.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 114, 133) }
```

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

```
.background{ background-color: rgb(55, 114,  
133) }
```

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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