

Converting Colors

CIELCh(30, 45.449, 326.822)

Have a look what the booklet for
CIELCh(30, 45.449, 326.822)
contains.

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Color

CIELCh(30, 45.460, 326.814)

Conversions

Conversions Part 1

Format	Color
Hex	6D2D6E
RGB	109, 45, 110
RGB Percent	43%, 18%, 43%
CMY	0.5730, 0.8239, 0.5691
CMYK	0.01, 0.59, 0.00, 0.57
HSL	299°, 42%, 30%
HSV	299°, 59%, 43%
XYZ	10.0354, 6.2359, 15.3953
YIQ	71.5460, 17.2790, 33.7830

Conversions

Conversions Part 2

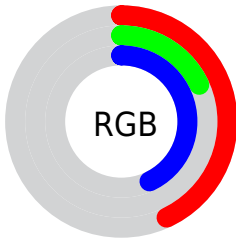
Format	Color
R_{YB}	109, 45, 110
Decimal	7155054
CIE _{Lab}	30.00, 38.05, -24.88
CIE _{LCh}	30, 45.460, 326.814
Yxy	6.2359, 0.3169, 0.1969
Android (android.graphics.Color)	4285345134 (0xFF6D2D6E)
YUV	71.5460, 18.9578, 32.8472
Hunter-Lab	24.9718, 28.0334, -19.0726

Details

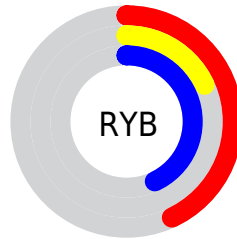
The CIELCh color $[30, 45.460, 326.814]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[41, 45.767, 139.411]$, and the grayscale version is $[30, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 45.242, 326.602]$, and $[11, 42.140, 326.565]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 51.381, 327.140]$, and if you desaturate by 10%, it is $[32, 38.630, 326.421]$.

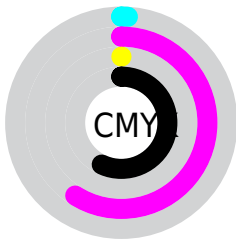
Distribution



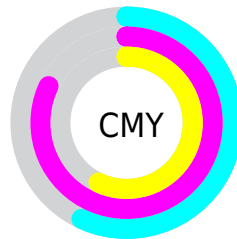
- Red (43%)
- Green (18%)
- Blue (43%)



- Red (43%)
- Yellow (18%)
- Blue (43%)



- Cyan (1%)
- Magenta (59%)
- Yellow (0%)
- Black (57%)





- Cyan (57%)
- Magenta (82%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 45.460, 326.814 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 30, 45.460, 326.814 by changing the saturation by 10% instead.


 30, 45.460,
326.814


 30, 45.460,
326.814

 100, 45.460,
326.814


 20, 45.460,
326.814


 50, 45.460,
326.814


 10, 45.460,
326.814

 60, 45.460,
326.814

 0, 45.460, 326.814

 70, 45.460,
326.814

 80, 45.460,
326.814

 90, 45.460,
326.814

30, 45.460,
326.814

30, 45.460,
326.814

28, 51.381,
327.140

32, 38.630,
326.421

27, 56.129,
327.386

35, 31.175,
325.976

26, 59.508,
327.542

38, 23.342,
325.496

25, 61.982,
327.642

40, 15.331,
324.993

25, 62.197,
327.651

44, 7.293, 324.473

47, 0.669, 144.236

50, 8.485, 143.514

53, 16.112,
143.025

■ 56, 23.529,
142.562

Harmonies

Complementary

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



30, 45.460, 326.814



41, 45.767, 139.411

Rectangle

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



30, 45.460, 326.814



30, 45.460, 16.814



30, 45.460, 146.814



30, 45.460, 196.814

Sweetspot

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



30, 45.459, 326.814



52, 17.865, 324.959



22, 42.468, 298.155



26, 12.334, 325.074



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



30, 45.459, 326.814



37, 64.369, 327.243



29, 33.533, 348.914



22, 4.561, 324.466



27, 66.165, 327.645



58, 113.006, 327.612

Inverse Universe

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



28, 32.099, 25.388



33, 48.789, 29.117



42, 31.933, 156.669



22, 2.649, 18.604



24, 57.580, 37.185



52, 101.568, 39.557

Previews

White Background



This preview shows how the CIELCh color 30, 45.460, 326.814 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 45.460, 326.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

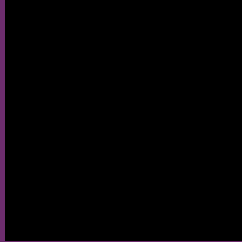
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 45.460, 326.814

Background



This preview shows how black text looks on a background with the CIELCh color 30, 45.460, 326.814.



This preview shows how white text looks on a background with the CIELCh color 30, 45.460, 326.814.

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

30, 45.460, 326.814

Protanopia

30, 40.380, 286.332

Deuteranopia

30, 22.021, 281.546



Tritanopia
30, 21.313, 16.833

Trichromacy



Original Color
30, 45.460, 326.814

Protanomaly
29, 41.126, 298.954

Deuteranomaly
30, 29.411, 305.011

Tritanomaly
30, 27.254, 348.521

Monochromacy



Original Color
30, 45.460, 326.814

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 17.615, 325.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 45.460, 326.814 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(109, 45, 110)` looks like.

```
.text, #text, p{  
    color:rgb(109, 45, 110)  
}
```

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(109, 45, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 45, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 45.460, 326.814 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(109, 45, 110) }
```

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

```
.border{ border-color:rgb(109, 45, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 45, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 45, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 45, 110);  
box-shadow:4px 4px 4px 4px rgb(109, 45,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 45.460, 326.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 45, 110) }
```

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

```
.background{ background-color: rgb(109, 45,  
110) }
```

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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