

Converting Colors

CIELCh(45, 73.185, 322.353)

Have a look what the booklet for
CIELCh(45, 73.185, 322.353)
contains.

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Color

CIELCh(45, 73.178, 322.350)

Conversions

Conversions Part 1

Format	Color
Hex	A23EB6
RGB	162, 62, 182
RGB Percent	64%, 24%, 71%
CMY	0.3641, 0.7563, 0.2857
CMYK	0.11, 0.66, 0.00, 0.29
HSL	290°, 49%, 48%
HSV	290°, 66%, 71%
XYZ	25.1198, 14.5417, 45.8177
YIQ	105.5800, 21.0800, 58.5200

Conversions

Conversions Part 2

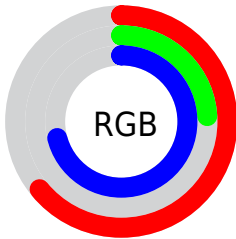
Format	Color
R_{YB}	162, 62, 182
Decimal	10632886
CIE _{Lab}	45.00, 57.94, -44.70
CIE _{LCh}	45, 73.178, 322.350
Yxy	14.5417, 0.2939, 0.1701
Android (android.graphics.Color)	4288822966 (0xFFA23EB6)
YUV	105.5800, 37.6751, 49.4803
Hunter-Lab	38.1336, 50.8499, -44.5437

Details

The CIELCh color $45, 73.178, 322.350$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $66, 72.326, 135.651$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 73.202, 322.341$, and $26, 70.253, 322.166$ is the 20% darker color. If you saturate the color by 10%, you get $42, 80.982, 322.435$, and if you desaturate by 10%, it is $49, 63.707, 322.124$.

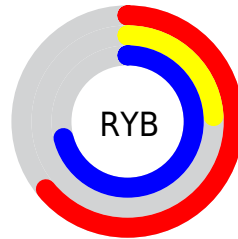
Distribution



Red (64%)

Green (24%)

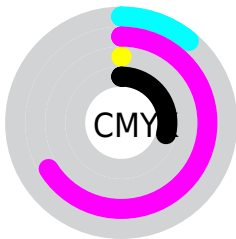
Blue (71%)



Red (64%)

Yellow (24%)

Blue (71%)

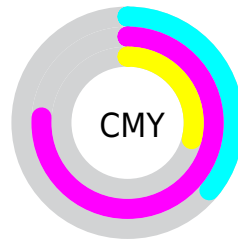


Cyan (11%)

Magenta (66%)

Yellow (0%)

Black (29%)



Cyan (36%)


Magenta (76%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 73.178, 322.350 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, 73.178, 322.350 by changing the saturation by 10% instead.


 45, 73.178,
322.350


 45, 73.178,
322.350


 100, 73.178,
322.350


 35, 73.178,
322.350

 65, 73.178,
322.350


 25, 73.178,
322.350

 75, 73.178,
322.350

 15, 73.178,
322.350

 85, 73.178,
322.350

 5, 73.178, 322.350

 95, 73.178,
322.350

 0, 73.178, 322.350

 45, 73.178,

 45, 73.178,

322.350

42, 80.982,
322.435

40, 86.663,
322.342

38, 90.009,
322.046

38, 91.052,
321.899

322.350

49, 63.707,
322.124

52, 53.087,
321.794

57, 41.772,
321.397

61, 30.120,
320.960

66, 18.391,
320.504

71, 6.757, 320.032

76, 4.672, 139.664

81, 15.832,
139.211

■ 86, 26.689,
138.806

Harmonies

Complementary

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



45, 73.178, 322.350



66, 72.326, 135.651

Rectangle

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



45, 73.178, 322.350



45, 73.178, 12.350



45, 73.178, 142.350



45, 73.178, 192.350

Sweetspot

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



45, 73.176, 322.350



82, 28.781, 320.709



39, 60.844, 294.375



42, 19.821, 320.837



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



45, 73.176, 322.350



53, 102.116, 322.418



46, 59.539, 341.514



36, 6.572, 320.200



32, 81.014, 321.971



2, 17.445, 317.688

Inverse Universe

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



44, 52.095, 16.893



53, 76.064, 22.346



66, 59.783, 148.591



36, 4.095, 6.601



32, 65.202, 31.090



2, 10.829, 9.381

Previews

White Background



This preview shows how the CIELCh color 45, 73.178, 322.350 looks on a white background.

Color Contrast Check

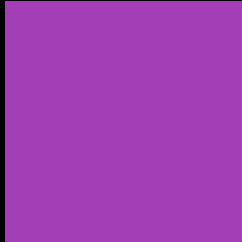
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.178, 322.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

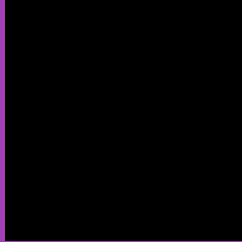
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 73.178, 322.350

Background



This preview shows how black text looks on a background with the CIELCh color 45, 73.178, 322.350.

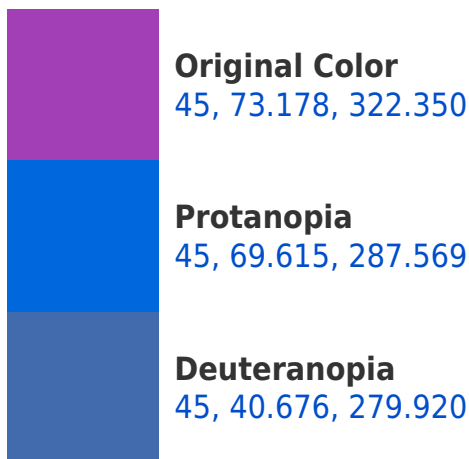


This preview shows how white text looks on a background with the CIELCh color 45, 73.178, 322.350.

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





Tritanopia
45, 27.303, 14.840

Trichromacy



Original Color
45, 73.178, 322.350

Protanomaly
42, 70.678, 294.626

Deuteranomaly
43, 51.647, 300.156

Tritanomaly
44, 40.018, 341.329

Monochromacy



Original Color
45, 73.178, 322.350

Achromatopsia
45, 0.006, 296.813

Achromatomaly
43, 29.666, 320.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 73.178, 322.350 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(162, 62, 182)` looks like.

```
.text, #text, p{  
    color:rgb(162, 62, 182)  
}
```

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(162, 62, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 62, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 73.178, 322.350 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(162, 62, 182) }
```

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

```
.border{ border-color:rgb(162, 62, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 62, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 62, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 62, 182);  
box-shadow:4px 4px 4px 4px rgb(162, 62,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 73.178, 322.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 62, 182) }
```

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

```
.background{ background-color: rgb(162, 62,  
182) }
```

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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