

Converting Colors

CIELCh(45, 40.612, 139.618)

Have a look what the booklet for
CIELCh(45, 40.612, 139.618)
contains.

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Color

CIELCh(45, 40.582, 139.655)

Conversions

Conversions Part 1

Format	Color
Hex	40773D
RGB	64, 119, 61
RGB Percent	25%, 47%, 24%
CMY	0.7501, 0.5344, 0.7618
CMYK	0.46, 0.00, 0.49, 0.53
HSL	117°, 32%, 35%
HSV	117°, 49%, 47%
XYZ	9.4951, 14.5417, 6.6850
YIQ	95.9430, -14.1620, -29.6980

Conversions

Conversions Part 2

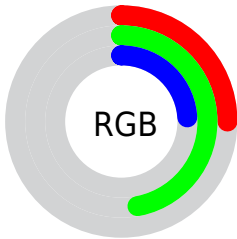
Format	Color
RYB	61, 119, 116
Decimal	4224829
CIELab	45.00, -30.93, 26.27
CIElCh	45, 40.582, 139.655
Yxy	14.5417, 0.3091, 0.4733
Android (android.graphics.Color)	4282414909 (0xFF40773D)
YUV	95.9430, -17.2269, -28.0140
Hunter-Lab	38.1336, -22.2882, 16.2997

Details

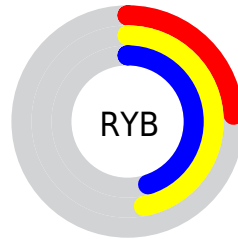
The CIELCh color $45, 40.582, 139.655$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $35, 40.610, 325.349$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 40.642, 139.959$, and $25, 40.496, 139.759$ is the 20% darker color. If you saturate the color by 10%, you get $44, 48.042, 138.720$, and if you desaturate by 10%, it is $46, 32.599, 140.531$.

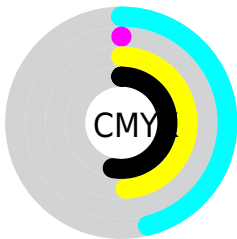
Distribution



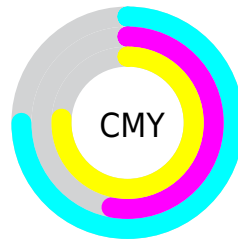
- Red (25%)
- Green (47%)
- Blue (24%)



- Red (24%)
- Yellow (47%)
- Blue (45%)



- Cyan (46%)
- Magenta (0%)
- Yellow (49%)
- Black (53%)





- Cyan (75%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 40.582, 139.655 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, 40.582, 139.655 by changing the saturation by 10% instead.


 45, 40.582,
139.655


 45, 40.582,
139.655


 100, 40.582,
139.655


 35, 40.582,
139.655

 65, 40.582,
139.655


 25, 40.582,
139.655

 75, 40.582,
139.655

 15, 40.582,
139.655

 85, 40.582,
139.655

 5, 40.582, 139.655

 95, 40.582,
139.655

 0, 40.582, 139.655

 45, 40.582,

 45, 40.582,

139.655

139.655

■ 44, 48.042,
138.720

■ 46, 32.599,
140.531

■ 44, 54.714,
137.780

■ 47, 24.303,
141.320

■ 43, 60.290,
136.930

■ 48, 15.862,
142.016

■ 43, 64.456,
136.290

■ 49, 7.404, 142.627

■ 43, 67.398,
135.738

■ 50, 0.976, 322.946

■ 43, 67.735,
135.656

■ 51, 9.211, 323.540

■ 53, 17.255,
323.923

■ 54, 25.080,
324.246

■ 56, 32.671,

Harmonies

Complementary

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



45, 40.582, 139.655



35, 40.610, 325.349

Rectangle

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



45, 40.582, 139.655



45, 40.582, 189.655



45, 40.582, 319.655



45, 40.582, 9.655

Sweetspot

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



45, 40.583, 139.655



62, 15.741, 142.235



48, 31.047, 102.582



32, 10.830, 142.127



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, 40.583, 139.655



57, 59.876, 138.560



45, 29.842, 155.589



24, 4.671, 142.616



44, 69.244, 135.668



86, 117.717, 135.868

Inverse Universe

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



35, 40.610, 325.349



42, 59.663, 325.772



34, 30.866, 344.638



23, 4.682, 323.482



27, 67.304, 326.289



57, 114.128, 326.182

Previews

White Background



This preview shows how the CIELCh color 45, 40.582, 139.655 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, 40.582, 139.655 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, 40.582, 139.655

Background



This preview shows how black text looks on a background with the CIELCh color 45, 40.582, 139.655.



This preview shows how white text looks on a background with the CIELCh color 45, 40.582, 139.655.

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, 40.582, 139.655

Protanopia
45, 29.580, 95.762

Deuteranopia
45, 25.143, 76.445



Tritanopia
45, 13.733, 221.314

Trichromacy



Original Color
45, 40.582, 139.655

Protanomaly
45, 31.143, 116.913

Deuteranomaly
44, 25.723, 108.514

Tritanomaly
45, 18.683, 168.589

Monochromacy



Original Color
45, 40.582, 139.655

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 15.274, 142.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 40.582, 139.655 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(64, 119, 61)` looks like.

```
.text, #text, p{  
    color:rgb(64, 119, 61)  
}
```

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(64, 119, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 119, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 40.582, 139.655 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(64, 119, 61) }
```

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

```
.border{ border-color:rgb(64, 119, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 119, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 119, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 119, 61);  
box-shadow:4px 4px 4px 4px rgb(64, 119,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 40.582, 139.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 119, 61) }
```

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

```
.background{ background-color: rgb(64, 119,  
61) }
```

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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