

Converting Colors

CIELCh(24, 45.525, 20.440)

Have a look what the booklet for
CIELCh(24, 45.525, 20.440) contains.

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Color

CIELCh(24, 45.435, 20.073)

Conversions

Conversions Part 1

Format	Color
Hex	730E24
RGB	115, 14, 36
RGB Percent	45%, 5%, 14%
CMY	0.5485, 0.9444, 0.8585
CMYK	0.00, 0.88, 0.69, 0.55
HSL	347°, 78%, 25%
HSV	347°, 88%, 45%
XYZ	7.5663, 4.1002, 2.0692
YIQ	46.7070, 53.1340, 28.2540

Conversions

Conversions Part 2

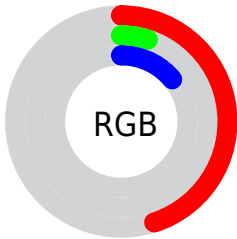
Format	Color
R_{YB}	115, 14, 36
Decimal	7540260
CIE Lab	24.00, 42.68, 15.59
CIE LCh	24, 45.435, 20.073
Yxy	4.1002, 0.5508, 0.2985
Android (android.graphics.Color)	4285730340 (0xFF730E24)
YUV	46.7070, -5.2786, 59.8930
Hunter-Lab	20.2490, 31.2630, 8.1156

Details

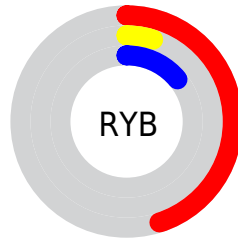
The CIELCh color **24, 45.435, 20.073** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **43, 32.808, 172.036**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 45.398, 20.061**, and **9, 31.644, 25.619** is the 20% darker color. If you saturate the color by 10%, you get **23, 49.175, 24.595**, and if you desaturate by 10%, it is **25, 41.287, 15.998**.

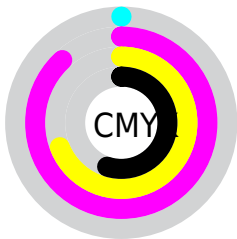
Distribution



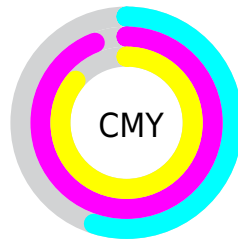
- Red (45%)
- Green (5%)
- Blue (14%)



- Red (45%)
- Yellow (5%)
- Blue (14%)



- Cyan (0%)
- Magenta (88%)
- Yellow (69%)
- Black (55%)



- Cyan (55%)
- Magenta (94%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 45.435, 20.073 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 24, 45.435, 20.073 by changing the saturation by 10% instead.

 24, 45.435, 20.073

 24, 45.435, 20.073

 100, 45.435,
20.073

 14, 45.435, 20.073

 44, 45.435, 20.073

 4, 45.435, 20.073

 54, 45.435, 20.073

 0, 45.435, 20.073

 64, 45.435, 20.073

 74, 45.435, 20.073

 84, 45.435, 20.073

 94, 45.435, 20.073

 24, 45.435, 20.073

 24, 45.435, 20.073

23, 49.175, 24.595

25, 41.287, 15.998

23, 50.103, 25.548

27, 36.511, 12.689

30, 31.245, 10.043

33, 25.693, 7.925

36, 20.050, 6.210

39, 14.466, 4.796

42, 9.042, 3.604

46, 3.836, 2.550

49, 1.126, 182.071

Harmonies

Complementary

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



24, 45.435, 20.073



43, 32.808, 172.036

Rectangle

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



24, 45.435, 20.073



24, 45.435, 70.073



24, 45.435, 200.073



24, 45.435, 250.073

Sweetspot

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



24, 45.433, 20.075



51, 16.884, 4.668



23, 61.723, 320.202



25, 11.597, 5.020



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



24, 45.433, 20.075



31, 61.523, 27.160



28, 45.326, 46.445



23, 2.864, 2.693



24, 52.500, 25.954



52, 91.377, 29.273

Inverse Universe

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



24, 45.433, 20.075



31, 61.523, 27.160



35, 24.036, 242.654



23, 2.864, 2.693



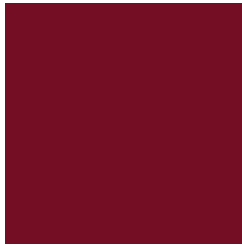
24, 52.500, 25.954



52, 91.377, 29.273

Previews

White Background



This preview shows how the CIELCh color 24, 45.435, 20.073 looks on a white background.

Color Contrast Check

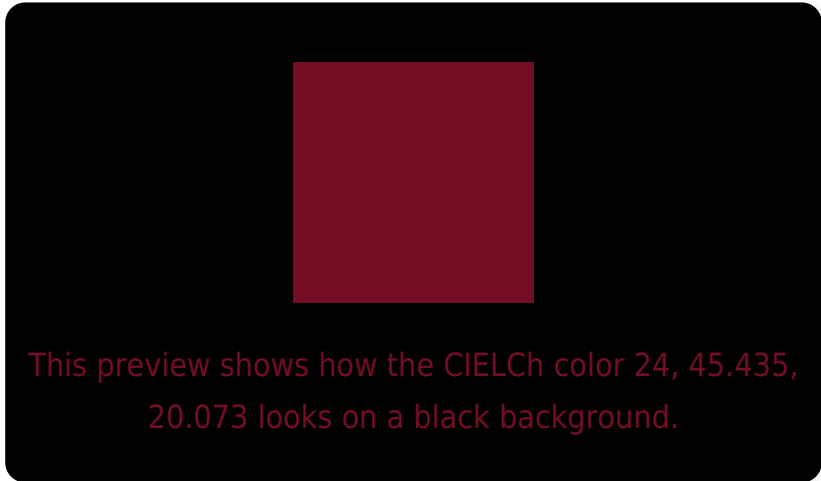
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 24, 45.435, 20.073

Background



This preview shows how black text looks on a background with the CIELCh color 24, 45.435, 20.073.



This preview shows how white text looks on a background with the CIELCh color 24, 45.435, 20.073.

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

24, 45.435, 20.073

Protanopia

25, 4.805, 91.958

Deuteranopia

25, 19.063, 80.196



Tritanopia
24, 48.979, 34.321

Trichromacy



Original Color
24, 45.435, 20.073

Protanomaly
23, 18.862, 17.883

Deuteranomaly
23, 25.787, 36.131

Tritanomaly
24, 47.325, 29.201

Monochromacy



Original Color
24, 45.435, 20.073

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 18.793, 8.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 45.435, 20.073 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(115, 14, 36)` looks like.

```
.text, #text, p{  
    color:rgb(115, 14, 36)  
}
```

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(115, 14, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 14, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 45.435, 20.073 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(115, 14, 36) }
```

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

```
.border{ border-color:rgb(115, 14, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 14, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 14, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 14, 36);  
box-shadow:4px 4px 4px 4px rgb(115, 14,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 45.435, 20.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 14, 36) }
```

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

```
.background{ background-color: rgb(115, 14,  
36) }
```

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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