

Converting Colors

CIELCh(45, 24.326, 247.381)

Have a look what the booklet for
CIELCh(45, 24.326, 247.381)
contains.

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Color

CIELCh(45, 24.164, 246.424)

Conversions

Conversions Part 1

Format	Color
Hex	36718F
RGB	54, 113, 143
RGB Percent	21%, 44%, 56%
CMY	0.7888, 0.5573, 0.4397
CMYK	0.62, 0.21, 0.00, 0.44
HSL	200°, 45%, 39%
HSV	200°, 62%, 56%
XYZ	12.3527, 14.5417, 28.0902
YIQ	98.7790, -44.7940, -3.1780

Conversions

Conversions Part 2

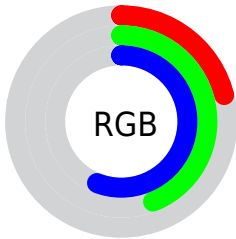
Format	Color
R_{YB}	54, 89, 143
Decimal	3568015
CIE _{Lab}	45.00, -9.66, -22.15
CIE _{LCh}	45, 24.164, 246.424
Yxy	14.5417, 0.2247, 0.2645
Android (android.graphics.Color)	4281758095 (0xFF36718F)
YUV	98.7790, 21.8010, -39.2712
Hunter-Lab	38.1336, -8.9121, -16.9810

Details

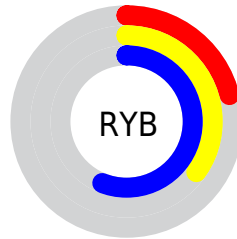
The CIELCh color **45, 24.164, 246.424** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **42, 35.181, 52.216**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 24.209, 246.097**, and **25, 22.780, 252.582** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.961, 249.658**, and if you desaturate by 10%, it is **47, 21.029, 243.760**.

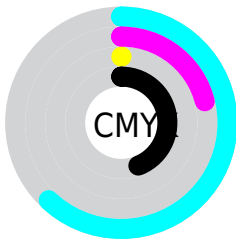
Distribution



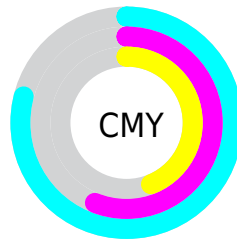
- Red (21%)
- Green (44%)
- Blue (56%)



- Red (21%)
- Yellow (35%)
- Blue (56%)



- Cyan (62%)
- Magenta (21%)
- Yellow (0%)
- Black (44%)




- Cyan (79%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 24.164, 246.424 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, 24.164, 246.424 by changing the saturation by 10% instead.


 45, 24.164,
246.424


 45, 24.164,
246.424


 100, 24.164,
246.424

 35, 24.164,
246.424

 65, 24.164,
246.424

 25, 24.164,
246.424

 75, 24.164,
246.424

 15, 24.164,
246.424

 85, 24.164,
246.424

 5, 24.164, 246.424

 95, 24.164,
246.424

 0, 24.164, 246.424

 45, 24.164,

 45, 24.164,

246.424

246.424

■ 43, 26.961,
249.658

■ 47, 21.029,
243.760

■ 41, 29.456,
253.513

■ 49, 17.561,
241.594

■ 39, 31.725,
257.980

■ 52, 13.788,
239.843

■ 38, 33.467,
261.523

■ 54, 9.749, 238.438

■ 56, 5.487, 237.325

■ 59, 1.047, 236.693

■ 61, 3.533, 55.475

■ 64, 8.218, 54.926

■ 66, 12.979, 54.444

Harmonies

Complementary

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



45, 24.164, 246.424



42, 35.181, 52.216

Rectangle

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



45, 24.164, 246.424



45, 24.164, 296.424



45, 24.164, 66.424



45, 24.164, 116.424

Sweetspot

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



45, 24.163, 246.424



70, 10.371, 238.087



53, 46.898, 149.339



36, 7.154, 238.399



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 24.163, 246.424



55, 34.105, 251.235



32, 46.800, 293.107



29, 2.532, 237.038



36, 32.048, 261.234



1, 1.738, 236.161

Inverse Universe

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



37, 46.948, 341.128



45, 65.657, 342.976



54, 41.535, 95.341



28, 4.426, 336.412



29, 56.595, 347.037



1, 2.967, 335.817

Previews

White Background



This preview shows how the CIELCh color 45, 24.164, 246.424 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, 24.164, 246.424 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, 24.164, 246.424

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.164, 246.424.

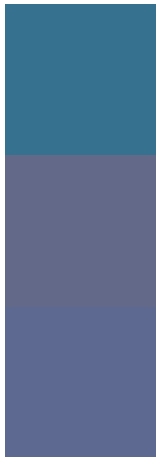


This preview shows how white text looks on a background with the CIELCh color 45, 24.164, 246.424.

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, 24.164, 246.424

Protanopia

45, 19.196, 285.366

Deuteranopia

45, 24.032, 284.511



Tritanopia
45, 22.215, 211.316

Trichromacy



Original Color
45, 24.164, 246.424

Protanomaly
45, 20.096, 266.922

Deuteranomaly
45, 23.029, 268.940

Tritanomaly
45, 21.970, 223.498

Monochromacy



Original Color
45, 24.164, 246.424

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 10.088, 240.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.164, 246.424 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(54, 113, 143)` looks like.

```
.text, #text, p{  
    color:rgb(54, 113, 143)  
}
```

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(54, 113, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 113, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.164, 246.424 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(54, 113, 143) }
```

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

```
.border{ border-color:rgb(54, 113, 143) }
```

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

Here you see how a box with a 4 pixel rgb(54, 113, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 113, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 113, 143);  
box-shadow:4px 4px 4px 4px rgb(54, 113,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.164, 246.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 113, 143) }
```

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

```
.background{ background-color: rgb(54, 113,  
143) }
```

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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