

Converting Colors

CIELCh(45, 24.239, 265.213)

Have a look what the booklet for
CIELCh(45, 24.239, 265.213)
contains.

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Color

CIELCh(45, 24.263, 265.296)

Conversions

Conversions Part 1

Format	Color
Hex	496D92
RGB	73, 109, 146
RGB Percent	29%, 43%, 57%
CMY	0.7121, 0.5710, 0.4258
CMYK	0.50, 0.25, 0.00, 0.43
HSL	210°, 33%, 43%
HSV	210°, 50%, 57%
XYZ	13.5100, 14.5417, 29.4582
YIQ	102.4540, -33.3330, 3.8750

Conversions

Conversions Part 2

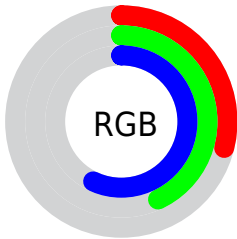
Format	Color
R_{YB}	73, 97, 146
Decimal	4812178
CIE _{Lab}	45.00, -1.99, -24.18
CIE _{LCh}	45, 24.263, 265.296
Yxy	14.5417, 0.2349, 0.2529
Android (android.graphics.Color)	4283002258 (0xFF496D92)
YUV	102.4540, 21.4682, -25.8312
Hunter-Lab	38.1336, -3.4945, -19.1080

Details

The CIELCh color **45, 24.263, 265.296** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **49, 27.745, 70.058**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 24.322, 265.924**, and **25, 24.037, 264.445** is the 20% darker color. If you saturate the color by 10%, you get **42, 28.907, 268.202**, and if you desaturate by 10%, it is **48, 19.538, 262.822**.

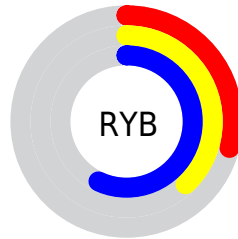
Distribution



Red (29%)

Green (43%)

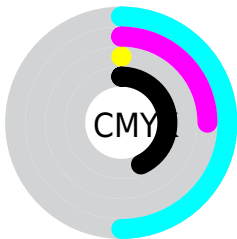
Blue (57%)



Red (29%)

Yellow (38%)

Blue (57%)

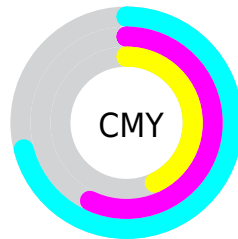


Cyan (50%)

Magenta (25%)

Yellow (0%)

Black (43%)



Cyan (71%)

Magenta (57%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.263, 265.296 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, 24.263, 265.296 by changing the saturation by 10% instead.


 45, 24.263,
265.296


 45, 24.263,
265.296


 100, 24.263,
265.296

 35, 24.263,
265.296

 65, 24.263,
265.296


 25, 24.263,
265.296

 75, 24.263,
265.296

 15, 24.263,
265.296

 85, 24.263,
265.296

 5, 24.263, 265.296

 95, 24.263,
265.296

 0, 24.263, 265.296

 45, 24.263,

 45, 24.263,

265.296

■ 42, 28.907,
268.202

■ 39, 33.496,
271.572

■ 36, 38.076,
275.394

■ 34, 42.710,
279.591

■ 31, 47.497,
283.813

■ 31, 47.567,
283.869

265.296

■ 48, 19.538,
262.822

■ 51, 14.732,
260.732

■ 54, 9.852, 258.972

■ 58, 4.914, 257.503

■ 61, 0.065, 71.766

■ 64, 5.067, 75.027

■ 67, 10.076, 74.119

■ 70, 15.078, 73.316

■ 74, 20.063, 72.612

Harmonies

Complementary

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



45, 24.263, 265.296



49, 27.745, 70.058

Rectangle

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



45, 24.263, 265.296



45, 24.263, 315.296



45, 24.263, 85.296



45, 24.263, 135.296

Sweetspot

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



45, 24.262, 265.296



71, 9.273, 258.269



55, 34.087, 158.584



37, 6.371, 258.558



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



45, 24.262, 265.296



54, 35.991, 268.645



35, 45.458, 297.178



30, 2.840, 257.419



29, 45.239, 283.596



1, 2.494, 256.199

Inverse Universe

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



41, 35.822, 349.241



50, 52.395, 351.076



59, 39.781, 105.573



29, 4.049, 344.741



29, 53.640, 1.546



1, 3.502, 344.034

Previews

White Background



This preview shows how the CIE LCh color 45, 24.263, 265.296 looks on a white background.

Color Contrast Check

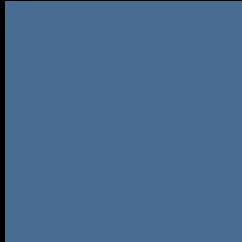
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.263, 265.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

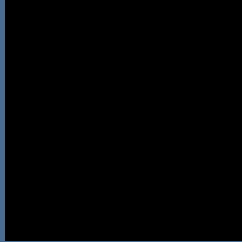
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

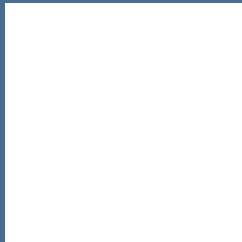
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 24.263, 265.296

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.263, 265.296.

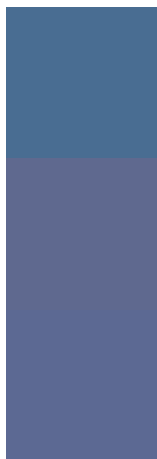


This preview shows how white text looks on a background with the CIELCh color 45, 24.263, 265.296.

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, 24.263, 265.296

Protanopia

45, 22.825, 284.637

Deuteranopia

45, 25.279, 283.710



Tritanopia
45, 17.013, 216.295

Trichromacy



Original Color
45, 24.263, 265.296

Protanomaly
45, 22.779, 276.138

Deuteranomaly
45, 24.603, 276.411

Tritanomaly
45, 18.118, 239.788

Monochromacy



Original Color
45, 24.263, 265.296

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 9.589, 260.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.263, 265.296 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(73, 109, 146)` looks like.

```
.text, #text, p{  
    color:rgb(73, 109, 146)  
}
```

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(73, 109, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 109, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.263, 265.296 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(73, 109, 146) }
```

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

```
.border{ border-color:rgb(73, 109, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 109, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 109, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 109, 146); box-shadow:4px 4px 4px 4px rgb(73, 109, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.263, 265.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 109, 146) }
```

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

```
.background{ background-color: rgb(73, 109,  
146) }
```

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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