

Converting Colors

CIELCh(36, 24.999, 255.422)

Have a look what the booklet for
CIELCh(36, 24.999, 255.422)
contains.

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Color

CIELCh(36, 24.834, 254.516)

Conversions

Conversions Part 1

Format	Color
Hex	225A7B
RGB	34, 90, 123
RGB Percent	13%, 35%, 48%
CMY	0.8685, 0.6484, 0.5191
CMYK	0.73, 0.27, 0.00, 0.52
HSL	202°, 57%, 31%
HSV	202°, 73%, 48%
XYZ	7.8245, 9.0082, 19.9464
YIQ	77.0180, -43.9690, -1.6090

Conversions

Conversions Part 2

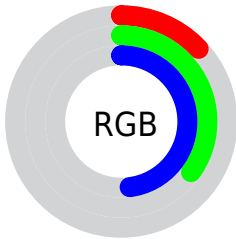
Format	Color
R_{YB}	34, 68, 123
Decimal	2251387
CIE _{Lab}	36.00, -6.63, -23.93
CIE _{LCh}	36, 24.834, 254.516
Yxy	9.0082, 0.2127, 0.2449
Android (android.graphics.Color)	4280441467 (0xFF225A7B)
YUV	77.0180, 22.6691, -37.7268
Hunter-Lab	30.0136, -5.9894, -18.3934

Details

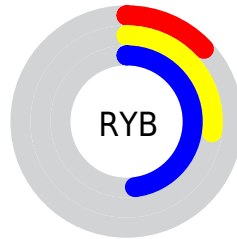
The CIELCh color **36, 24.834, 254.516** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **35, 36.814, 54.703**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 25.027, 254.530**, and **17, 22.042, 265.562** is the 20% darker color. If you saturate the color by 10%, you get **34, 27.351, 258.394**, and if you desaturate by 10%, it is **38, 22.105, 251.218**.

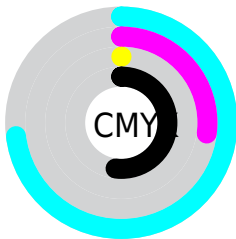
Distribution



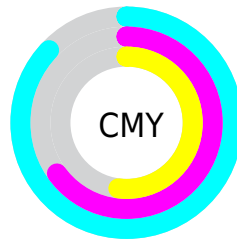
- Red (13%)
- Green (35%)
- Blue (48%)



- Red (13%)
- Yellow (27%)
- Blue (48%)



- Cyan (73%)
- Magenta (27%)
- Yellow (0%)
- Black (52%)





- Cyan (87%)
- Magenta (65%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 24.834, 254.516 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 36, 24.834, 254.516 by changing the saturation by 10% instead.


 36, 24.834,
254.516


 36, 24.834,
254.516

 100, 24.834,
254.516


 26, 24.834,
254.516

 56, 24.834,
254.516


 16, 24.834,
254.516


 66, 24.834,
254.516

 6, 24.834, 254.516

 76, 24.834,
254.516

 0, 24.834, 254.516

 86, 24.834,
254.516

 96, 24.834,
254.516

■ 36, 24.834,
254.516

■ 36, 24.834,
254.516

■ 34, 27.351,
258.394

■ 38, 22.105,
251.218

■ 32, 29.724,
262.821

■ 40, 19.134,
248.464

■ 31, 31.513,
266.026

■ 42, 15.918,
246.192

■ 44, 12.473,
244.331

■ 46, 8.828, 242.812

■ 49, 5.016, 241.586

■ 51, 1.068, 240.793

■ 53, 2.984, 59.529

■ 56, 7.115, 58.885

Harmonies

Complementary

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



36, 24.834, 254.516



35, 36.814, 54.703

Rectangle

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



36, 24.834, 254.516



36, 24.834, 304.516



36, 24.834, 74.516



36, 24.834, 124.516

Sweetspot

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



36, 24.833, 254.516



60, 10.697, 242.798



45, 45.883, 149.190



30, 7.214, 243.102



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



36, 24.833, 254.516



44, 35.178, 261.223



23, 51.021, 297.019



25, 2.242, 241.218



32, 31.980, 266.134



63, 55.880, 269.086

Inverse Universe

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



30, 45.566, 344.197



36, 61.300, 347.049



46, 42.886, 96.456



24, 3.800, 337.861



26, 52.592, 349.384



55, 87.658, 350.968

Previews

White Background



This preview shows how the CIELCh color 36, 24.834, 254.516 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



This preview shows how the CIE LCh color 36, 24.834, 254.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

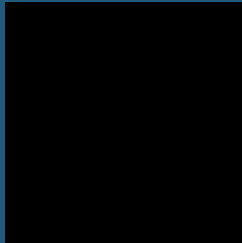
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 24.834, 254.516

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.834, 254.516.

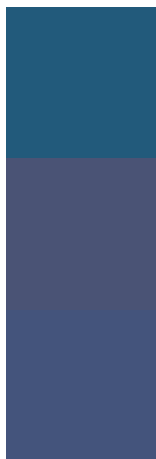


This preview shows how white text looks on a background with the CIELCh color 36, 24.834, 254.516.

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


36, 24.834, 254.516

Protanopia

36, 21.254, 285.034

Deuteranopia

36, 25.144, 282.011



Tritanopia
36, 22.305, 208.134

Trichromacy



Original Color
36, 24.834, 254.516

Protanomaly
36, 22.360, 271.296

Deuteranomaly
36, 24.965, 271.213

Tritanomaly
36, 21.783, 226.629

Monochromacy



Original Color
36, 24.834, 254.516

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 10.707, 243.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.834, 254.516 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(34, 90, 123)` looks like.

```
.text, #text, p{  
    color:rgb(34, 90, 123)  
}
```

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(34, 90, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 90, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.834, 254.516 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(34, 90, 123) }
```

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

```
.border{ border-color:rgb(34, 90, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 90, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 90, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 90, 123);  
box-shadow:4px 4px 4px 4px rgb(34, 90,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.834, 254.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 90, 123) }
```

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

```
.background{ background-color: rgb(34, 90,  
123) }
```

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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