

Converting Colors

CIELCh(36, 19.973, 264.974)

Have a look what the booklet for
CIELCh(36, 19.973, 264.974)
contains.

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Color

CIELCh(36, 19.824, 264.991)

Conversions

Conversions Part 1

Format	Color
Hex	3B5774
RGB	59, 87, 116
RGB Percent	23%, 34%, 45%
CMY	0.7686, 0.6588, 0.5451
CMYK	0.49, 0.25, 0.00, 0.55
HSL	211°, 33%, 34%
HSV	211°, 49%, 45%
XYZ	8.3652, 9.0082, 17.8223
YIQ	81.9340, -25.9970, 3.0830

Conversions

Conversions Part 2

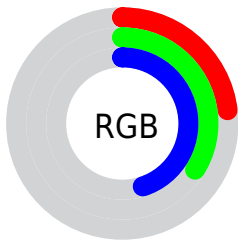
Format	Color
RYB	59, 78, 116
Decimal	3889012
CIELab	36.00, -1.73, -19.75
CIElCh	36, 19.824, 264.991
Yxy	9.0082, 0.2377, 0.2559
Android (android.graphics.Color)	4282079092 (0xFF3B5774)
YUV	81.9340, 16.7945, -20.1131
Hunter-Lab	30.0136, -2.7737, -14.1973

Details

The CIELCh color **36, 19.824, 264.991** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **40, 22.520, 70.449**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 19.574, 264.661**, and **16, 19.971, 265.503** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.686, 267.746**, and if you desaturate by 10%, it is **39, 15.897, 262.640**.

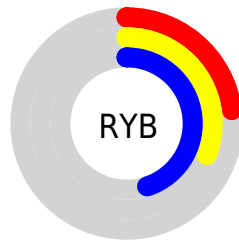
Distribution



Red (23%)

Green (34%)

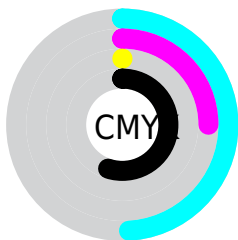
Blue (45%)



Red (23%)

Yellow (31%)

Blue (45%)

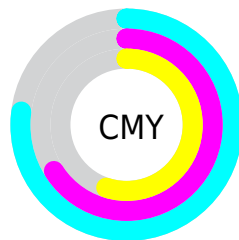


Cyan (49%)

Magenta (25%)

Yellow (0%)

Black (55%)



Cyan (77%)


Magenta (66%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 19.824, 264.991 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, 19.824, 264.991 by changing the saturation by 10% instead.


 36, 19.824,
264.991


 36, 19.824,
264.991

 100, 19.824,
264.991


 26, 19.824,
264.991

 56, 19.824,
264.991


 16, 19.824,
264.991


 66, 19.824,
264.991

 6, 19.824, 264.991

 76, 19.824,
264.991

 0, 19.824, 264.991

 86, 19.824,
264.991

 96, 19.824,
264.991

■ 36, 19.824,
264.991

■ 36, 19.824,
264.991

■ 34, 23.686,
267.746

■ 39, 15.897,
262.640

■ 31, 27.500,
270.940

■ 41, 11.907,
260.647

■ 29, 31.298,
274.572

■ 44, 7.860, 258.963

■ 27, 35.129,
278.586

■ 46, 3.769, 257.556

■ 49, 0.353, 75.576

■ 24, 39.083,
282.585

■ 52, 4.491, 75.153

■ 24, 39.436,
282.902

■ 54, 8.634, 74.267

■ 57, 12.770, 73.482

■ 60, 16.892, 72.792

Harmonies

Complementary

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



36, 19.824, 264.991



40, 22.520, 70.449

Rectangle

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



36, 19.824, 264.991



36, 19.824, 314.991



36, 19.824, 84.991



36, 19.824, 134.991

Sweetspot

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



36, 19.823, 264.991



57, 7.637, 258.403



44, 27.847, 158.826



29, 5.247, 258.648



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 19.823, 264.991



43, 29.214, 268.155



28, 36.880, 296.824



23, 2.344, 257.545



26, 41.210, 283.184



53, 73.762, 285.817

Inverse Universe

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



33, 29.209, 349.079



40, 42.570, 350.810



48, 32.486, 105.729



23, 3.331, 344.796



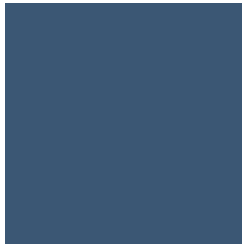
25, 49.303, 1.158



54, 83.263, 3.748

Previews

White Background



This preview shows how the CIELCh color 36, 19.824, 264.991 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, 19.824, 264.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

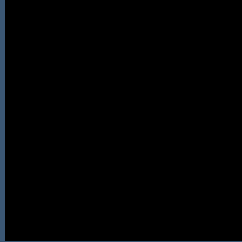
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

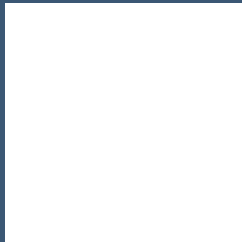
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 19.824, 264.991

Background



This preview shows how black text looks on a background with the CIELCh color 36, 19.824, 264.991.

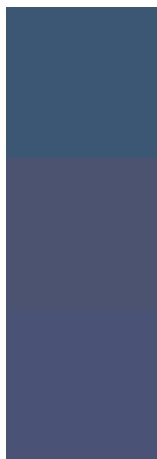


This preview shows how white text looks on a background with the CIELCh color 36, 19.824, 264.991.

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, 19.824, 264.991

Protanopia

36, 18.742, 285.441

Deuteranopia

36, 21.254, 285.034



Tritanopia
36, 13.940, 218.909

Trichromacy



Original Color
36, 19.824, 264.991

Protanomaly
36, 19.095, 278.253

Deuteranomaly
36, 20.935, 279.191

Tritanomaly
36, 15.059, 239.906

Monochromacy



Original Color
36, 19.824, 264.991

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 7.286, 258.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 19.824, 264.991 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(59, 87, 116)` looks like.

```
.text, #text, p{  
    color:rgb(59, 87, 116)  
}
```

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(59, 87, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 87, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 19.824, 264.991 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(59, 87, 116) }
```

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

```
.border{ border-color:rgb(59, 87, 116) }
```

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

Here you see how a box with a 4 pixel rgb(59, 87, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 87, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 87, 116);  
box-shadow:4px 4px 4px 4px rgb(59, 87,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 19.824, 264.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 87, 116) }
```

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

```
.background{ background-color: rgb(59, 87,  
116) }
```

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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