

Converting Colors

CIELCh(36, 20.331, 251.848)

Have a look what the booklet for
CIELCh(36, 20.331, 251.848)
contains.

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Color

CIELCh(36, 20.251, 251.824)

Conversions

Conversions Part 1

Format	Color
Hex	2F5973
RGB	47, 89, 115
RGB Percent	18%, 35%, 45%
CMY	0.8152, 0.6506, 0.5486
CMYK	0.59, 0.23, 0.00, 0.55
HSL	203°, 42%, 32%
HSV	203°, 59%, 45%
XYZ	7.8583, 9.0082, 17.5753
YIQ	79.4060, -33.3780, -0.8180

Conversions

Conversions Part 2

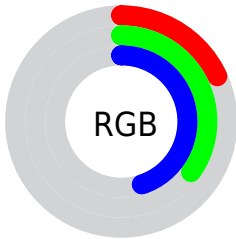
Format	Color
R_{YB}	47, 73, 115
Decimal	3103091
CIE _{Lab}	36.00, -6.32, -19.24
CIE _{LCh}	36, 20.251, 251.824
Yxy	9.0082, 0.2282, 0.2615
Android (android.graphics.Color)	4281293171 (0xFF2F5973)
YUV	79.4060, 17.5478, -28.4201
Hunter-Lab	30.0136, -5.7883, -13.7094

Details

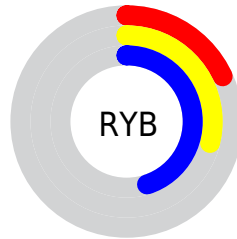
The CIELCh color **36, 20.251, 251.824** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **35, 27.264, 56.794**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 20.198, 251.621**, and **17, 18.912, 257.119** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.015, 254.919**, and if you desaturate by 10%, it is **38, 17.270, 249.240**.

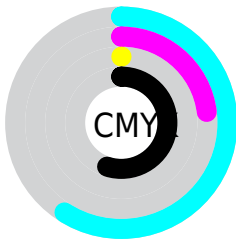
Distribution



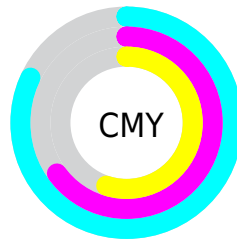
- Red (18%)
- Green (35%)
- Blue (45%)



- Red (18%)
- Yellow (29%)
- Blue (45%)



- Cyan (59%)
- Magenta (23%)
- Yellow (0%)
- Black (55%)





- Cyan (82%)
- Magenta (65%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 20.251, 251.824 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, 20.251, 251.824 by changing the saturation by 10% instead.


 36, 20.251,
251.824


 36, 20.251,
251.824

 100, 20.251,
251.824


 26, 20.251,
251.824

 56, 20.251,
251.824


 16, 20.251,
251.824


 66, 20.251,
251.824

 6, 20.251, 251.824

 76, 20.251,
251.824

 0, 20.251, 251.824

 86, 20.251,
251.824

 96, 20.251,
251.824

■ 36, 20.251,
251.824

■ 36, 20.251,
251.824

■ 34, 23.015,
254.919

■ 38, 17.270,
249.240

■ 32, 25.583,
258.569

■ 40, 14.077,
247.103

■ 31, 28.006,
262.770

■ 42, 10.691,
245.347

■ 29, 30.431,
267.124

■ 44, 7.138, 243.908

■ 29, 30.666,
267.500

■ 46, 3.447, 242.756

■ 49, 0.354, 60.814

■ 51, 4.238, 60.776

■ 53, 8.184, 60.119

■ 56, 12.171, 59.548

Harmonies

Complementary

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



36, 20.251, 251.824



35, 27.264, 56.794

Rectangle

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



36, 20.251, 251.824



36, 20.251, 301.824



36, 20.251, 71.824



36, 20.251, 121.824

Sweetspot

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



36, 20.250, 251.824



57, 8.399, 243.831



43, 36.576, 151.332



29, 5.859, 244.144



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, 20.250, 251.824



44, 29.136, 256.236



26, 38.456, 293.559



23, 2.172, 242.754



31, 32.194, 267.866



62, 56.828, 270.888

Inverse Universe

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



30, 36.775, 343.034



37, 52.344, 344.891



44, 34.125, 97.907



23, 3.635, 338.418



26, 51.517, 350.296



55, 86.471, 352.008

Previews

White Background



This preview shows how the CIE LCh color 36, 20.251, 251.824 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, 20.251, 251.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

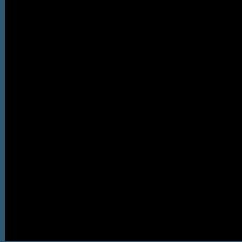
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

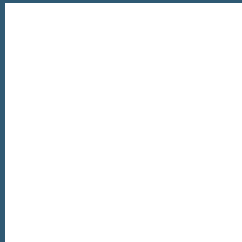
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 20.251, 251.824

Background



This preview shows how black text looks on a background with the CIELCh color 36, 20.251, 251.824.

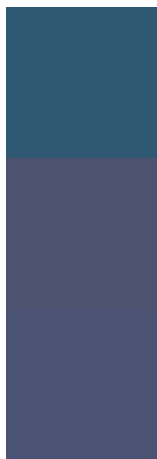


This preview shows how white text looks on a background with the CIELCh color 36, 20.251, 251.824.

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, 20.251, 251.824

Protanopia

36, 17.483, 285.777

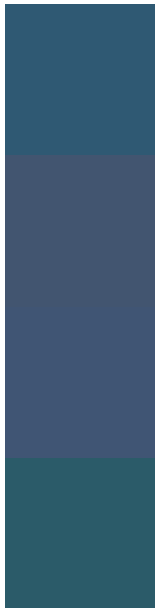
Deuteranopia

36, 20.647, 284.640



Tritanopia
36, 17.633, 211.741

Trichromacy



Original Color
36, 20.251, 251.824

Protanomaly
36, 17.778, 270.908

Deuteranomaly
36, 20.222, 272.631

Tritanomaly
36, 17.526, 227.726

Monochromacy



Original Color
36, 20.251, 251.824

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 8.417, 247.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 20.251, 251.824 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(47, 89, 115)` looks like.

```
.text, #text, p{  
    color:rgb(47, 89, 115)  
}
```

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(47, 89, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 89, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 20.251, 251.824 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(47, 89, 115) }
```

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

```
.border{ border-color:rgb(47, 89, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 89, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 89, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 89, 115);  
box-shadow:4px 4px 4px 4px rgb(47, 89,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 20.251, 251.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 89, 115) }
```

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

```
.background{ background-color: rgb(47, 89,  
115) }
```

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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