

Converting Colors

CIELCh(36, 23.722, 276.204)

Have a look what the booklet for
CIELCh(36, 23.722, 276.204)
contains.

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Color

CIELCh(36, 23.722, 276.204)

Conversions

Conversions Part 1

Format	Color
Hex	3F557A
RGB	63, 85, 122
RGB Percent	25%, 33%, 48%
CMY	0.7520, 0.6658, 0.5206
CMYK	0.48, 0.30, 0.00, 0.52
HSL	218°, 32%, 36%
HSV	218°, 48%, 48%
XYZ	8.8591, 9.0082, 19.7628
YIQ	82.6400, -24.9890, 6.8430

Conversions

Conversions Part 2

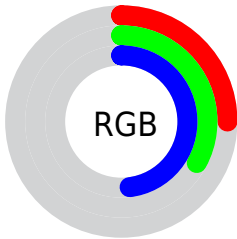
Format	Color
R_{YB}	63, 79, 122
Decimal	4150650
CIE Lab	36.00, 2.56, -23.58
CIE LCh	36, 23.722, 276.204
Yxy	9.0082, 0.2354, 0.2394
Android (android.graphics.Color)	4282340730 (0xFF3F557A)
YUV	82.6400, 19.4045, -17.2243
Hunter-Lab	30.0136, 0.1642, -18.0308

Details

The CIELCh color $36, 23.722, 276.204$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $44, 24.492, 81.691$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 24.141, 277.060$, and $16, 23.888, 276.562$ is the 20% darker color. If you saturate the color by 10%, you get $33, 28.801, 278.814$, and if you desaturate by 10%, it is $39, 18.710, 273.946$.

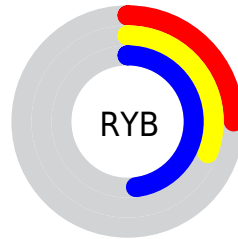
Distribution



Red (25%)

Green (33%)

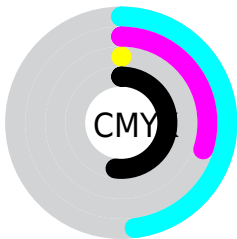
Blue (48%)



Red (25%)

Yellow (31%)

Blue (48%)

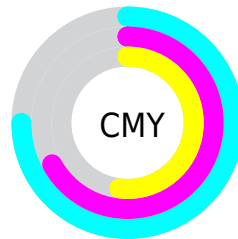


Cyan (48%)

Magenta (30%)

Yellow (0%)

Black (52%)



Cyan (75%)


Magenta (67%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.722, 276.204 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, 23.722, 276.204 by changing the saturation by 10% instead.


 36, 23.722,
276.204


 36, 23.722,
276.204

 100, 23.722,
276.204


 26, 23.722,
276.204

 56, 23.722,
276.204

 16, 23.722,
276.204


 66, 23.722,
276.204

 6, 23.722, 276.204

 76, 23.722,
276.204

 0, 23.722, 276.204

 86, 23.722,
276.204

 96, 23.722,
276.204

■ 36, 23.722,
276.204

■ 36, 23.722,
276.204

■ 33, 28.801,
278.814

■ 39, 18.710,
273.946

■ 30, 33.972,
281.790

■ 42, 13.753,
272.006

■ 27, 39.260,
285.111

■ 45, 8.845, 270.345

■ 24, 44.683,
288.696

■ 49, 3.985, 268.936

■ 22, 50.239,
292.246

■ 52, 0.824, 87.421

■ 21, 51.216,
292.800

■ 55, 5.579, 86.540

■ 58, 10.277, 85.616

■ 61, 14.913, 84.796

■ 65, 19.487, 84.069

Harmonies

Complementary

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



36, 23.722, 276.204



44, 24.492, 81.691

Rectangle

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



36, 23.722, 276.204



36, 23.722, 326.204



36, 23.722, 96.204



36, 23.722, 146.204

Sweetspot

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



36, 23.721, 276.204



60, 8.352, 269.761



47, 25.894, 165.516



30, 5.739, 270.018



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



36, 23.721, 276.204



43, 35.411, 279.129



30, 37.781, 299.892



24, 2.719, 269.039



22, 52.154, 292.893



46, 92.862, 295.008

Inverse Universe

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



35, 28.400, 356.748



41, 41.685, 358.831



50, 33.501, 111.162



24, 3.204, 351.865



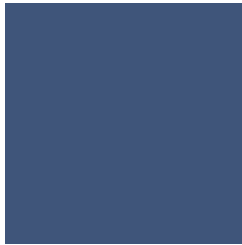
25, 50.063, 12.336



54, 84.968, 15.472

Previews

White Background



This preview shows how the CIELCh color 36, 23.722, 276.204 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, 23.722, 276.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

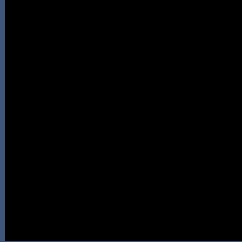
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.722, 276.204

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.722, 276.204.

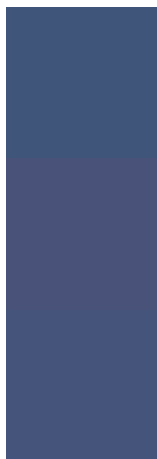


This preview shows how white text looks on a background with the CIELCh color 36, 23.722, 276.204.

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, 23.722, 276.204

Protanopia

36, 23.719, 285.661

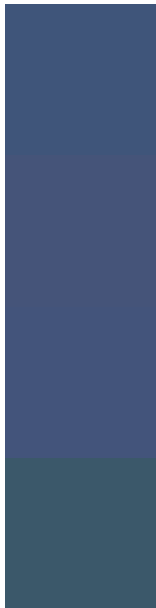
Deuteranopia

36, 24.497, 282.261



Tritanopia
36, 12.976, 217.654

Trichromacy



Original Color
36, 23.722, 276.204

Protanomaly
36, 23.306, 281.327

Deuteranomaly
36, 24.605, 280.853

Tritanomaly
36, 14.771, 248.161

Monochromacy



Original Color
36, 23.722, 276.204

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 8.597, 270.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.722, 276.204 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(63, 85, 122)` looks like.

```
.text, #text, p{  
    color:rgb(63, 85, 122)  
}
```

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(63, 85, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 85, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.722, 276.204 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(63, 85, 122) }
```

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

```
.border{ border-color:rgb(63, 85, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 85, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 85, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 85, 122);  
box-shadow:4px 4px 4px 4px rgb(63, 85,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.722, 276.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 85, 122) }
```

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

```
.background{ background-color: rgb(63, 85,  
122) }
```

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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