

Converting Colors

CIELCh(36, 21.519, 308.479)

Have a look what the booklet for
CIELCh(36, 21.519, 308.479)
contains.

CIELCh(36, 22.008, 308.500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 22.008, 308.500)

Conversions

Conversions Part 1

Format	Color
Hex	5D4E70
RGB	93, 78, 112
RGB Percent	36%, 31%, 44%
CMY	0.6341, 0.6930, 0.5596
CMYK	0.17, 0.30, 0.00, 0.56
HSL	266°, 18%, 37%
HSV	266°, 30%, 44%
XYZ	10.2299, 9.0082, 16.6167
YIQ	86.3610, -1.9740, 13.7540

Conversions

Conversions Part 2

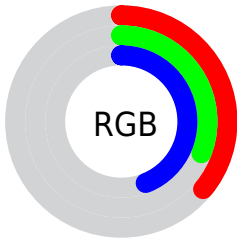
Format	Color
RYB	93, 78, 112
Decimal	6114928
CIELab	36.00, 13.70, -17.22
CIELCh	36, 22.008, 308.500
Yxy	9.0082, 0.2853, 0.2512
Android (android.graphics.Color)	4284305008 (0xFF5D4E70)
YUV	86.3610, 12.6400, 5.8224
Hunter-Lab	30.0136, 8.3168, -11.8158

Details

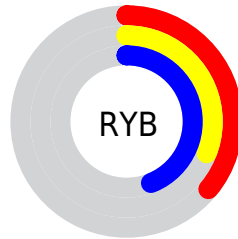
The CIELCh color **36, 22.008, 308.500** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45, 21.030, 125.599**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 22.211, 308.739**, and **16, 21.602, 307.939** is the 20% darker color. If you saturate the color by 10%, you get **32, 29.617, 309.078**, and if you desaturate by 10%, it is **40, 14.544, 307.954**.

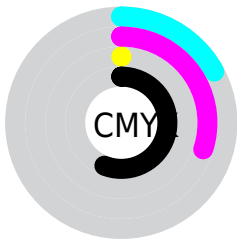
Distribution



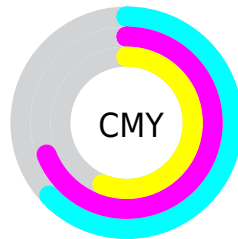
- Red (36%)
- Green (31%)
- Blue (44%)



- Red (36%)
- Yellow (31%)
- Blue (44%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (56%)





- Cyan (63%)
- Magenta (69%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 22.008, 308.500 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, 22.008, 308.500 by changing the saturation by 10% instead.


 36, 22.008,
308.500

 36, 22.008,
308.500

 100, 22.008,
308.500


 26, 22.008,
308.500

 56, 22.008,
308.500

 16, 22.008,
308.500


 66, 22.008,
308.500

 6, 22.008, 308.500

 76, 22.008,
308.500

 0, 22.008, 308.500

 86, 22.008,
308.500

 96, 22.008,
308.500

■ 36, 22.008,
308.500

■ 36, 22.008,
308.500

■ 32, 29.617,
309.078

■ 40, 14.544,
307.954

■ 29, 37.293,
309.668

■ 43, 7.272, 307.448

■ 47, 0.208, 306.693

■ 25, 44.885,
310.236

■ 51, 6.643, 126.607

■ 22, 52.146,
310.726

■ 55, 13.283,
126.242

■ 19, 58.697,
311.055

■ 58, 19.719,
125.923

■ 17, 64.040,
311.114

■ 62, 25.961,
125.644

■ 15, 68.663,
311.143

■ 66, 32.018,
125.401

■ 69, 37.900,
125.191

Harmonies

Complementary

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



36, 22.008, 308.500



45, 21.030, 125.599

Rectangle

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



36, 22.008, 308.500



36, 22.008, 358.500



36, 22.008, 128.500



36, 22.008, 178.500

Sweetspot

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



36, 22.007, 308.500



56, 7.846, 307.397



40, 11.260, 252.038



29, 5.504, 307.454



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 22.007, 308.500



44, 32.576, 308.881



38, 24.355, 324.076



21, 3.964, 307.386



16, 71.984, 311.064



38, 123.737, 310.445

Inverse Universe

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



38, 18.371, 343.085



46, 26.974, 343.738



44, 24.264, 140.845



22, 3.360, 341.240



25, 49.491, 355.086



54, 83.816, 357.271

Previews

White Background



This preview shows how the CIE LCh color 36, 22.008, 308.500 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, 22.008, 308.500 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, 22.008, 308.500

Background



This preview shows how black text looks on a background with the CIELCh color 36, 22.008, 308.500.

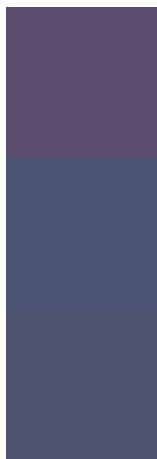


This preview shows how white text looks on a background with the CIELCh color 36, 22.008, 308.500.

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, 22.008, 308.500

Protanopia

36, 20.002, 284.177

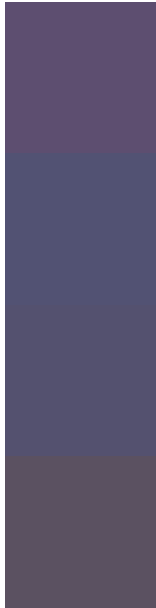
Deuteranopia

36, 17.425, 288.132



Tritanopia
36, 4.532, 324.750

Trichromacy



Original Color
36, 22.008, 308.500

Protanomaly
36, 20.513, 293.456

Deuteranomaly
36, 18.744, 296.613

Tritanomaly
36, 10.812, 313.953

Monochromacy



Original Color
36, 22.008, 308.500

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 7.751, 306.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 22.008, 308.500 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(93, 78, 112)` looks like.

```
.text, #text, p{  
    color:rgb(93, 78, 112)  
}
```

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(93, 78, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 78, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 22.008, 308.500 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(93, 78, 112) }
```

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

```
.border{ border-color:rgb(93, 78, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 78, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 78, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 78, 112);  
box-shadow:4px 4px 4px 4px rgb(93, 78,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 22.008, 308.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 78, 112) }
```

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

```
.background{ background-color: rgb(93, 78,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor