

Converting Colors

CIELCh(42, 28.961, 263.589)

Have a look what the booklet for
CIELCh(42, 28.961, 263.589)
contains.

CIELCh(42, 28.921, 263.535)	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(42, 28.921, 263.535)

Conversions

Conversions Part 1

Format	Color
Hex	336792
RGB	51, 103, 146
RGB Percent	20%, 40%, 57%
CMY	0.7996, 0.5958, 0.4271
CMYK	0.65, 0.29, 0.00, 0.43
HSL	207°, 48%, 39%
HSV	207°, 65%, 57%
XYZ	11.4226, 12.5000, 29.0390
YIQ	92.3540, -44.7950, 2.3490

Conversions

Conversions Part 2

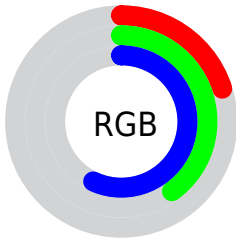
Format	Color
R_{YB}	51, 85, 146
Decimal	3368850
CIE _{Lab}	42.00, -3.26, -28.74
CIE _{LCh}	42, 28.921, 263.535
Yxy	12.5000, 0.2157, 0.2360
Android (android.graphics.Color)	4281558930 (0xFF336792)
YUV	92.3540, 26.4475, -36.2675
Hunter-Lab	35.3553, -4.2019, -23.9489

Details

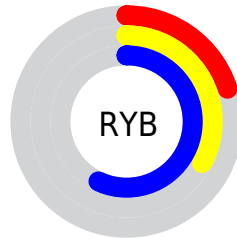
The CIELCh color **42, 28.921, 263.535** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 36.986, 62.902**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 28.791, 263.307**, and **22, 27.751, 270.203** is the 20% darker color. If you saturate the color by 10%, you get **39, 32.847, 267.205**, and if you desaturate by 10%, it is **45, 24.868, 260.381**.

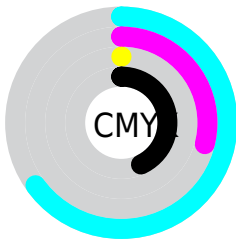
Distribution



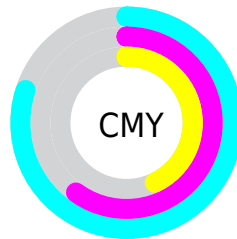
- Red (20%)
- Green (40%)
- Blue (57%)



- Red (20%)
- Yellow (33%)
- Blue (57%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (43%)





- Cyan (80%)
- Magenta (60%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 28.921, 263.535 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 42, 28.921, 263.535 by changing the saturation by 10% instead.

 42, 28.921,
263.535


 42, 28.921,
263.535


 100, 28.921,
263.535


 32, 28.921,
263.535

 62, 28.921,
263.535


 22, 28.921,
263.535

 72, 28.921,
263.535

 12, 28.921,
263.535

 82, 28.921,
263.535

 2, 28.921, 263.535

 92, 28.921,
263.535

 0, 28.921, 263.535

 42, 28.921,

 42, 28.921,

263.535

■ 39, 32.847,
267.205

■ 37, 36.706,
271.367

■ 35, 40.588,
275.899

■ 34, 42.592,
278.052

263.535

■ 45, 24.868,
260.381

■ 47, 20.660,
257.713

■ 50, 16.293,
255.478

■ 53, 11.781,
253.614

■ 56, 7.146, 252.067

■ 59, 2.412, 250.843

■ 62, 2.395, 69.468

■ 65, 7.252, 68.619

■ 68, 12.139, 67.833

Harmonies

Complementary

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



42, 28.921, 263.535



45, 36.986, 62.902

Rectangle

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



42, 28.921, 263.535



42, 28.921, 313.535



42, 28.921, 83.535



42, 28.921, 133.535

Sweetspot

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



42, 28.920, 263.536



69, 11.660, 252.863



54, 44.850, 153.896



35, 7.909, 253.261



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 28.920, 263.536



50, 41.798, 269.043



28, 57.555, 298.652



30, 2.729, 251.305



32, 40.602, 277.771



1, 2.406, 250.143

Inverse Universe

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



37, 46.248, 348.225



44, 63.711, 351.086



58, 48.113, 101.876



29, 4.201, 341.859



29, 54.371, 356.617



1, 3.638, 341.187

Previews

White Background



This preview shows how the CIELCh color 42, 28.921, 263.535 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 28.921, 263.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

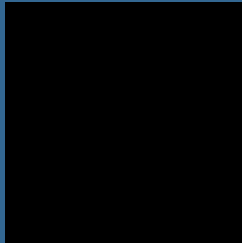
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 28.921, 263.535

Background



This preview shows how black text looks on a background with the CIELCh color 42, 28.921, 263.535.

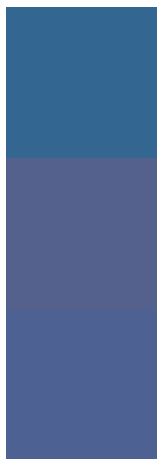


This preview shows how white text looks on a background with the CIELCh color 42, 28.921, 263.535.

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

42, 28.921, 263.535

Protanopia

42, 26.745, 285.444

Deuteranopia

42, 30.013, 281.764



Tritanopia
42, 22.453, 209.588

Trichromacy



Original Color
42, 28.921, 263.535

Protanomaly
42, 27.422, 276.654

Deuteranomaly
42, 29.464, 275.073

Tritanomaly
42, 22.469, 232.360

Monochromacy



Original Color
42, 28.921, 263.535

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 11.804, 255.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 28.921, 263.535 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(51, 103, 146)` looks like.

```
.text, #text, p{  
    color:rgb(51, 103, 146)  
}
```

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(51, 103, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 103, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 28.921, 263.535 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(51, 103, 146) }
```

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

```
.border{ border-color:rgb(51, 103, 146) }
```

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

Here you see how a box with a 4 pixel rgb(51, 103, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 103, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 103, 146);  
box-shadow:4px 4px 4px 4px rgb(51, 103,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 28.921, 263.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 103, 146) }
```

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

```
.background{ background-color: rgb(51, 103,  
146) }
```

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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