

Converting Colors

CIELCh(42, 32.446, 262.536)

Have a look what the booklet for
CIELCh(42, 32.446, 262.536)
contains.

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Color

CIELCh(42, 32.523, 262.528)

Conversions

Conversions Part 1

Format	Color
Hex	236898
RGB	35, 104, 152
RGB Percent	14%, 41%, 60%
CMY	0.8633, 0.5925, 0.4043
CMYK	0.77, 0.32, 0.00, 0.40
HSL	205°, 63%, 37%
HSV	205°, 77%, 60%
XYZ	11.2880, 12.5000, 31.4794
YIQ	88.8410, -56.5320, 0.3000

Conversions

Conversions Part 2

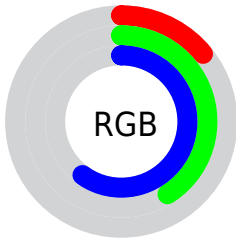
Format	Color
R_{YB}	35, 78, 152
Decimal	2320536
CIE _{Lab}	42.00, -4.23, -32.25
CIE _{LCh}	42, 32.523, 262.528
Yxy	12.5000, 0.2042, 0.2262
Android (android.graphics.Color)	4280510616 (0xFF236898)
YUV	88.8410, 31.1374, -47.2186
Hunter-Lab	35.3553, -4.8814, -28.0413

Details

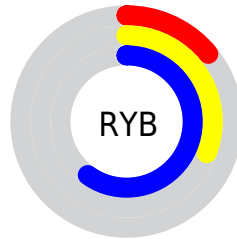
The CIELCh color **42, 32.523, 262.528** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **43, 46.561, 57.669**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 32.706, 262.665**, and **23, 30.566, 273.914** is the 20% darker color. If you saturate the color by 10%, you get **40, 35.920, 266.863**, and if you desaturate by 10%, it is **44, 28.993, 258.736**.

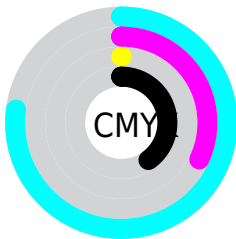
Distribution



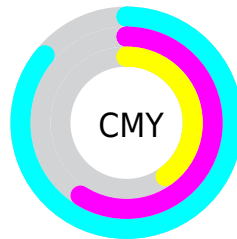
- Red (14%)
- Green (41%)
- Blue (60%)



- Red (14%)
- Yellow (31%)
- Blue (60%)



- Cyan (77%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)





- Cyan (86%)
- Magenta (59%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 32.523, 262.528 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, 32.523, 262.528 by changing the saturation by 10% instead.


 42, 32.523,
262.528


 42, 32.523,
262.528


 100, 32.523,
262.528


 32, 32.523,
262.528

 62, 32.523,
262.528


 22, 32.523,
262.528

 72, 32.523,
262.528

 12, 32.523,
262.528

 82, 32.523,
262.528

 2, 32.523, 262.528

 92, 32.523,
262.528

 0, 32.523, 262.528

 42, 32.523,

 42, 32.523,

262.528

■ 40, 35.920,
266.863

■ 38, 39.305,
271.563

■ 37, 40.343,
272.881

262.528

■ 44, 28.993,
258.736

■ 47, 25.265,
255.505

■ 50, 21.306,
252.798

■ 52, 17.116,
250.554

■ 55, 12.716,
248.704

■ 58, 8.136, 247.185

■ 61, 3.408, 245.974

■ 64, 1.434, 64.562

■ 67, 6.360, 63.868

Harmonies

Complementary

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



42, 32.523, 262.528



43, 46.561, 57.669

Rectangle

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



42, 32.523, 262.528



42, 32.523, 312.528



42, 32.523, 82.528



42, 32.523, 132.528

Sweetspot

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



42, 32.522, 262.529



71, 13.405, 248.122



55, 55.373, 149.548



36, 9.302, 248.663



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



42, 32.522, 262.529



50, 46.175, 270.041



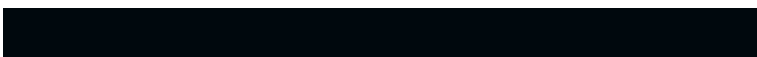
26, 67.585, 299.827



31, 2.741, 246.207



34, 37.845, 272.495



2, 3.008, 246.299

Inverse Universe

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



36, 54.575, 347.682



44, 70.832, 351.547



58, 54.366, 97.976



30, 4.452, 339.750



30, 55.984, 352.989



1, 4.735, 339.573

Previews

White Background



This preview shows how the CIELCh color 42, 32.523, 262.528 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, 32.523, 262.528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

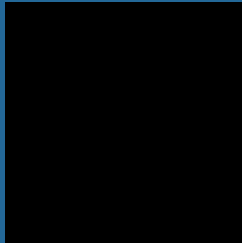
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 32.523, 262.528

Background



This preview shows how black text looks on a background with the CIELCh color 42, 32.523, 262.528.



This preview shows how white text looks on a background with the CIELCh color 42, 32.523, 262.528.

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, 32.523, 262.528

Protanopia

42, 29.796, 285.136

Deuteranopia

42, 33.234, 279.872



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 32.523, 262.528

Protanomaly
42, 30.221, 274.238

Deuteranomaly
42, 32.945, 272.812

Tritanomaly
42, 25.731, 228.735

Monochromacy



Original Color
42, 32.523, 262.528

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 13.904, 251.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 32.523, 262.528 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(35, 104, 152)` looks like.

```
.text, #text, p{  
    color:rgb(35, 104, 152)  
}
```

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(35, 104, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 104, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 32.523, 262.528 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(35, 104, 152) }
```

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

```
.border{ border-color:rgb(35, 104, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 104, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 104, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 104, 152);  
box-shadow:4px 4px 4px 4px rgb(35, 104,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 32.523, 262.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 104, 152) }
```

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

```
.background{ background-color: rgb(35, 104,  
152) }
```

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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