

Converting Colors

CIELCh(32, 69.488, 295.297)

Have a look what the booklet for
CIELCh(32, 69.488, 295.297)
contains.

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Color

CIELCh(32, 69.356, 295.257)

Conversions

Conversions Part 1

Format	Color
Hex	1641B0
RGB	22, 65, 176
RGB Percent	9%, 25%, 69%
CMY	0.9137, 0.7451, 0.3098
CMYK	0.87, 0.63, 0.00, 0.31
HSL	223°, 78%, 39%
HSV	223°, 87%, 69%
XYZ	10.0569, 7.0852, 41.9102
YIQ	64.7970, -61.2590, 25.4050

Conversions

Conversions Part 2

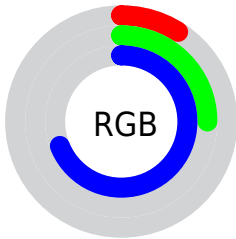
Format	Color
R_{YB}	22, 56, 176
Decimal	1458608
CIE Lab	32.00, 29.59, -62.73
CIE LCh	32, 69.356, 295.257
Yxy	7.0852, 0.1703, 0.1200
Android (android.graphics.Color)	4279648688 (0xFF1641B0)
YUV	64.7970, 54.8231, -37.5330
Hunter-Lab	26.6180, 20.8599, -74.7199

Details

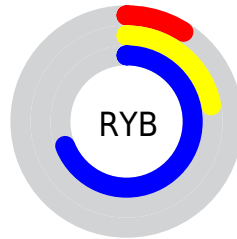
The CIELCh color **32, 69.356, 295.257** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **58, 59.552, 83.254**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 69.821, 295.367**, and **16, 65.939, 301.579** is the 20% darker color. If you saturate the color by 10%, you get **29, 77.937, 298.504**, and if you desaturate by 10%, it is **36, 60.647, 291.929**.

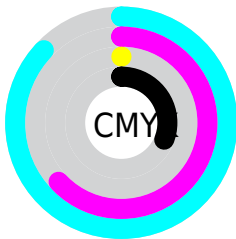
Distribution



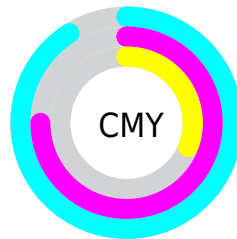
- Red (9%)
- Green (25%)
- Blue (69%)



- Red (9%)
- Yellow (22%)
- Blue (69%)



- Cyan (87%)
- Magenta (63%)
- Yellow (0%)
- Black (31%)





- Cyan (91%)
- Magenta (75%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 69.356, 295.257 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 32, 69.356, 295.257 by changing the saturation by 10% instead.


 32, 69.356,
295.257


 32, 69.356,
295.257

 100, 69.356,
295.257


 22, 69.356,
295.257

 52, 69.356,
295.257


 12, 69.356,
295.257


 62, 69.356,
295.257

 2, 69.356, 295.257

 72, 69.356,
295.257

 0, 69.356, 295.257

 82, 69.356,
295.257

 92, 69.356,
295.257

■ 32, 69.356,
295.257

■ 32, 69.356,
295.257

■ 29, 77.937,
298.504

■ 36, 60.647,
291.929

■ 28, 80.026,
299.229

■ 40, 52.079,
288.753

■ 45, 43.752,
285.860

■ 49, 35.675,
283.305

■ 54, 27.823,
281.088

■ 59, 20.170,
279.184

■ 64, 12.696,
277.554

■ 68, 5.386, 276.171

Harmonies

Complementary

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



32, 69.356, 295.257



58, 59.552, 83.254

Rectangle

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



32, 69.356, 295.257



32, 69.356, 345.257



32, 69.356, 115.257



32, 69.356, 165.257

Sweetspot

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



32, 69.356, 295.258



76, 23.639, 279.002



64, 49.033, 165.811



38, 16.068, 279.601



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



32, 69.356, 295.258



37, 99.308, 299.796



25, 92.239, 307.036



35, 4.122, 276.406



24, 71.375, 298.859



2, 10.604, 279.453

Inverse Universe

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



38, 62.099, 16.344



48, 82.272, 23.843



67, 72.103, 114.815



35, 4.178, 358.232



32, 60.194, 22.046



2, 9.632, 2.065

Previews

White Background



This preview shows how the CIE LCh color 32, 69.356, 295.257 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 CIELCh color 32, 69.356, 295.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

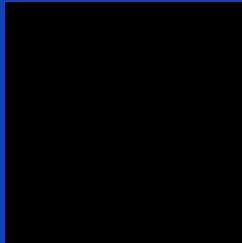
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 69.356, 295.257

Background



This preview shows how black text looks on a background with the CIELCh color 32, 69.356, 295.257.



This preview shows how white text looks on a background with the CIELCh color 32, 69.356, 295.257.

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

32, 69.356, 295.257

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 35.985, 272.432



Tritanopia
32, 21.519, 205.172

Trichromacy



Original Color
32, 69.356, 295.257

Protanomaly
32, 58.102, 290.250

Deuteranomaly
32, 47.279, 284.076

Tritanomaly
31, 30.538, 266.408

Monochromacy



Original Color
32, 69.356, 295.257

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 26.121, 283.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 69.356, 295.257 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(22, 65, 176)` looks like.

```
.text, #text, p{  
    color:rgb(22, 65, 176)  
}
```

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(22, 65, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 65, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 69.356, 295.257 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(22, 65, 176) }
```

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

```
.border{ border-color:rgb(22, 65, 176) }
```

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

Here you see how a box with a 4 pixel rgb(22, 65, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 65, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 65, 176);  
box-shadow:4px 4px 4px 4px rgb(22, 65,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 69.356, 295.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 65, 176) }
```

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

```
.background{ background-color: rgb(22, 65,  
176) }
```

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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