

Converting Colors

CIELCh(31, 81.635, 348.168)

Have a look what the booklet for
CIELCh(31, 81.635, 348.168)
contains.

CIELCh(36, 64.049, 352.554)	3
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Color

CIELCh(36, 64.049, 352.554)

Conversions

Conversions Part 1

Format	Color
Hex	A70064
RGB	167, 0, 100
RGB Percent	65%, 0%, 39%
CMY	0.3468, 1.0000, 0.6086
CMYK	0.00, 1.00, 0.40, 0.35
HSL	324°, 100%, 33%
HSV	324°, 100%, 65%
XYZ	18.0970, 9.0082, 12.7925
YIQ	61.3330, 67.4320, 66.5040

Conversions

Conversions Part 2

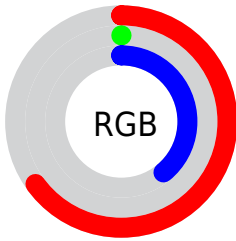
Format	Color
R_{YB}	167, 0, 100
Decimal	10944612
CIE _{Lab}	36.00, 63.51, -8.30
CIE _{LCh}	36, 64.049, 352.554
Yxy	9.0082, 0.4536, 0.2258
Android (android.graphics.Color)	4289134692 (0xFFA70064)
YUV	61.3330, 19.0628, 92.6700
Hunter-Lab	30.0136, 55.1047, -4.2613

Details

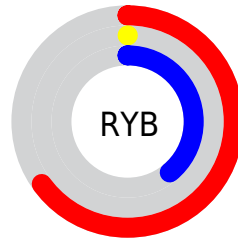
The CIELCh color **36, 64.049, 352.554** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **60, 70.892, 144.870**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 64.007, 352.662**, and **22, 45.401, 1.028** is the 20% darker color. If you saturate the color by 10%, you get **36, 63.596, 352.700**, and if you desaturate by 10%, it is **37, 62.565, 350.012**.

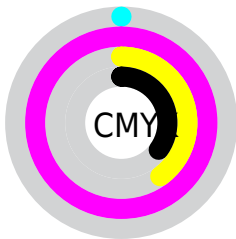
Distribution



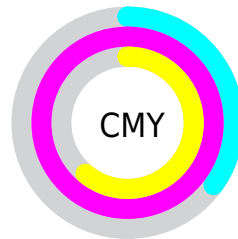
- Red (65%)
- Green (0%)
- Blue (39%)



- Red (65%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 64.049, 352.554 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, 64.049, 352.554 by changing the saturation by 10% instead.


 36, 64.049,
352.554


 36, 64.049,
352.554

 100, 64.049,
352.554


 26, 64.049,
352.554

 56, 64.049,
352.554


 16, 64.049,
352.554


 66, 64.049,
352.554

 6, 64.049, 352.554

 76, 64.049,
352.554

 0, 64.049, 352.554

 86, 64.049,
352.554

 96, 64.049,
352.554

■ 36, 64.049,
352.554

■ 36, 64.049,
352.554

■ 36, 63.596,
352.700

■ 37, 62.565,
350.012

■ 39, 60.035,
347.759

■ 41, 55.619,
345.939

■ 44, 49.583,
344.440

■ 47, 42.331,
343.171

■ 51, 34.283,
342.069

■ 55, 25.796,
341.089

■ 59, 17.140,

340.201

■ 64, 8.504, 339.376

Harmonies

Complementary

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



36, 64.049, 352.554



60, 70.892, 144.870

Rectangle

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



36, 64.049, 352.554



36, 64.049, 42.554



36, 64.049, 172.554



36, 64.049, 222.554

Sweetspot

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



36, 63.596, 352.700



70, 31.962, 341.140



24, 92.557, 309.949



35, 21.969, 341.527



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



36, 63.596, 352.700



47, 77.133, 353.329



34, 71.793, 35.485



33, 4.850, 339.318



32, 58.383, 352.369



2, 8.303, 342.500

Inverse Universe

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



36, 63.596, 352.700



47, 77.133, 353.329



61, 39.983, 182.370



33, 4.850, 339.318



32, 58.383, 352.369



2, 8.303, 342.500

Previews

White Background



This preview shows how the CIELCh color 36, 64.049, 352.554 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 36, 64.049, 352.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

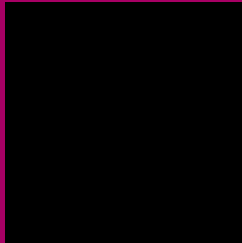
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 64.049, 352.554

Background



This preview shows how black text looks on a background with the CIELCh color 36, 64.049, 352.554.



This preview shows how white text looks on a background with the CIELCh color 36, 64.049, 352.554.

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, 63.705, 352.742

Protanopia

37, 35.333, 285.468

Deuteranopia

37, 6.250, 328.101



Tritanopia
37, 58.223, 31.346

Trichromacy



Original Color
36, 63.705, 352.742

Protanomaly
32, 47.305, 316.495

Deuteranomaly
33, 35.841, 342.390

Tritanomaly
36, 57.767, 15.958

Monochromacy



Original Color
36, 63.705, 352.742

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 32.944, 344.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 64.049, 352.554 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(167, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 100)  
}
```

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(167, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 64.049, 352.554 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(167, 0, 100) }
```

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

```
.border{ border-color:rgb(167, 0, 100) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 64.049, 352.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 100) }
```

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

```
.background{ background-color: rgb(167, 0,  
100) }
```

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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