

Converting Colors

CIELCh(28, 44.544, 303.136)

Have a look what the booklet for
CIELCh(28, 44.544, 303.136)
contains.

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Color

CIELCh(28, 44.631, 303.234)

Conversions

Conversions Part 1

Format	Color
Hex	45377C
RGB	69, 55, 124
RGB Percent	27%, 22%, 49%
CMY	0.7293, 0.7842, 0.5136
CMYK	0.44, 0.56, 0.00, 0.51
HSL	252°, 39%, 35%
HSV	252°, 56%, 49%
XYZ	7.4640, 5.4574, 19.7393
YIQ	67.0520, -13.8050, 24.4270

Conversions

Conversions Part 2

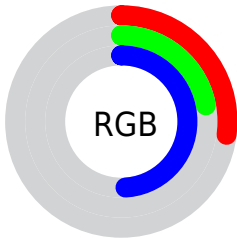
Format	Color
R_{YB}	69, 55, 124
Decimal	4536188
CIE _{Lab}	28.00, 24.46, -37.33
CIE _{LCh}	28, 44.631, 303.234
Yxy	5.4574, 0.2285, 0.1671
Android (android.graphics.Color)	4282726268 (0xFF45377C)
YUV	67.0520, 28.0754, 1.7084
Hunter-Lab	23.3610, 16.1503, -33.7453

Details

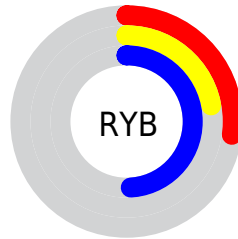
The CIELCh color $28, 44.631, 303.234$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $50, 38.985, 114.623$, and the grayscale version is $28, 0.004, 296.813$.

A 20% lighter version of the original color is $48, 44.736, 303.407$, and $8, 44.249, 303.076$ is the 20% darker color. If you saturate the color by 10%, you get $24, 53.218, 304.438$, and if you desaturate by 10%, it is $32, 36.059, 302.076$.

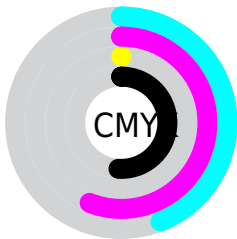
Distribution



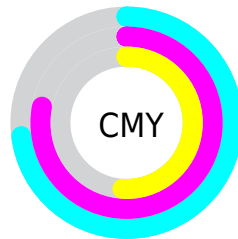
- Red (27%)
- Green (22%)
- Blue (49%)



- Red (27%)
- Yellow (22%)
- Blue (49%)



- Cyan (44%)
- Magenta (56%)
- Yellow (0%)
- Black (51%)




- Cyan (73%)
- Magenta (78%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 44.631, 303.234 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 28, 44.631, 303.234 by changing the saturation by 10% instead.

 28, 44.631,
303.234

 28, 44.631,
303.234

 100, 44.631,
303.234

 18, 44.631,
303.234

 48, 44.631,
303.234

 8, 44.631, 303.234

 58, 44.631,
303.234

 0, 44.631, 303.234

 68, 44.631,
303.234

 78, 44.631,
303.234

 88, 44.631,
303.234

 98, 44.631,

303.234

■ 28, 44.631,
303.234

■ 28, 44.631,
303.234

■ 24, 53.218,
304.438

■ 32, 36.059,
302.076

■ 20, 61.471,
305.592

■ 37, 27.675,
301.010

■ 17, 68.771,
306.541

■ 41, 19.550,
300.055

■ 15, 74.484,
307.163

■ 45, 11.708,
299.213

■ 14, 76.991,
307.527

■ 50, 4.146, 298.476

■ 54, 3.144, 117.843

■ 58, 10.178,

117.287

■ 62, 16.972,
116.808

■ 67, 23.539,
116.395

Harmonies

Complementary

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



28, 44.631, 303.234



50, 38.985, 114.623

Rectangle

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



28, 44.631, 303.234



28, 44.631, 353.234



28, 44.631, 123.234



28, 44.631, 173.234

Sweetspot

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



28, 44.631, 303.235



57, 15.782, 299.354



43, 19.262, 223.378



29, 10.670, 299.484



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



28, 44.631, 303.235



31, 67.251, 304.790



32, 45.785, 317.922



23, 4.124, 298.717



14, 77.407, 307.521



33, 131.000, 307.156

Inverse Universe

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



34, 41.643, 334.224



41, 59.307, 335.178



47, 44.086, 133.017



24, 4.282, 331.140



27, 58.502, 337.933



57, 97.713, 338.578

Previews

White Background



This preview shows how the CIE LCh color 28, 44.631, 303.234 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 28, 44.631, 303.234 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 28, 44.631, 303.234

Background



This preview shows how black text looks on a background with the CIELCh color 28, 44.631, 303.234.



This preview shows how white text looks on a background with the CIELCh color 28, 44.631, 303.234.

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

28, 44.631, 303.234

Protanopia

28, 45.359, 286.446

Deuteranopia

28, 34.973, 275.095



Tritanopia
28, 6.175, 237.974

Trichromacy



Original Color
28, 44.631, 303.234

Protanomaly
28, 44.589, 290.459

Deuteranomaly
27, 38.039, 283.641

Tritanomaly
28, 18.829, 291.503

Monochromacy



Original Color
28, 44.631, 303.234

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 16.377, 300.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 44.631, 303.234 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(69, 55, 124)` looks like.

```
.text, #text, p{  
    color:rgb(69, 55, 124)  
}
```

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(69, 55, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 55, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 44.631, 303.234 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(69, 55, 124) }
```

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

```
.border{ border-color:rgb(69, 55, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 55, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 55, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 55, 124);  
box-shadow:4px 4px 4px 4px rgb(69, 55,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 44.631, 303.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 55, 124) }
```

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

```
.background{ background-color: rgb(69, 55,  
124) }
```

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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