

Converting Colors

CIELCh(27, 32.673, 287.102)

Have a look what the booklet for
CIELCh(27, 32.673, 287.102)
contains.

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Color

CIELCh(27, 32.599, 286.976)

Conversions

Conversions Part 1

Format	Color
Hex	2C3E70
RGB	44, 62, 112
RGB Percent	17%, 24%, 44%
CMY	0.8291, 0.7583, 0.5624
CMYK	0.61, 0.45, 0.00, 0.56
HSL	224°, 44%, 30%
HSV	224°, 61%, 44%
XYZ	5.6262, 5.0937, 15.8986
YIQ	62.3180, -26.7780, 11.7340

Conversions

Conversions Part 2

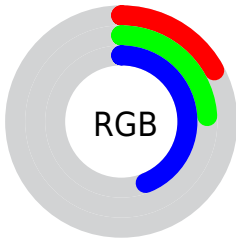
Format	Color
R_{YB}	44, 58, 112
Decimal	2899568
CIE _{Lab}	27.00, 9.52, -31.18
CIE _{LCh}	27, 32.599, 286.976
Yxy	5.0937, 0.2114, 0.1914
Android (android.graphics.Color)	4281089648 (0xFF2C3E70)
YUV	62.3180, 24.4932, -16.0649
Hunter-Lab	22.5692, 5.0017, -25.9678

Details

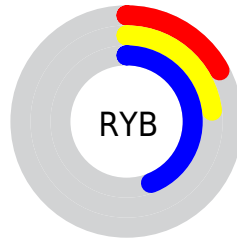
The CIELCh color **27, 32.599, 286.976** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 30.928, 88.770**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 32.631, 287.193**, and **8, 32.056, 291.916** is the 20% darker color. If you saturate the color by 10%, you get **24, 38.482, 289.742**, and if you desaturate by 10%, it is **30, 26.889, 284.513**.

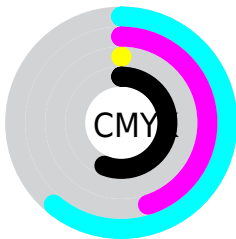
Distribution



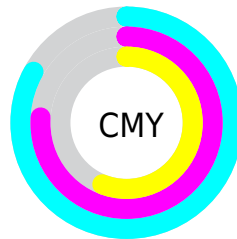
- Red (17%)
- Green (24%)
- Blue (44%)



- Red (17%)
- Yellow (23%)
- Blue (44%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (56%)



- Cyan (83%)
- Magenta (76%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 32.599, 286.976 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 27, 32.599, 286.976 by changing the saturation by 10% instead.

■ 27, 32.599,
286.976

■ 27, 32.599,
286.976

■ 100, 32.599,
286.976

■ 17, 32.599,
286.976

■ 47, 32.599,
286.976

■ 7, 32.599, 286.976

■ 57, 32.599,
286.976

■ 0, 32.599, 286.976

■ 67, 32.599,
286.976

■ 77, 32.599,
286.976

■ 87, 32.599,
286.976

■ 97, 32.599,

286.976

■ 27, 32.599,
286.976

■ 27, 32.599,
286.976

■ 24, 38.482,
289.742

■ 30, 26.889,
284.513

■ 21, 44.526,
292.753

■ 33, 21.341,
282.358

■ 18, 50.646,
295.888

■ 37, 15.939,
280.491

■ 16, 56.137,
298.450

■ 40, 10.668,
278.883

■ 43, 5.516, 277.503

■ 47, 0.478, 276.543

■ 50, 4.452, 95.200

■ 53, 9.278, 94.301

■ 57, 14.003, 93.502

Harmonies

Complementary

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



27, 32.599, 286.976



40, 30.928, 88.770

Rectangle

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



27, 32.599, 286.976



27, 32.599, 336.976



27, 32.599, 106.976



27, 32.599, 156.976

Sweetspot

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



27, 32.599, 286.977



53, 11.353, 278.522



42, 26.495, 171.937



26, 7.971, 278.863



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



27, 32.599, 286.977



31, 49.453, 290.920



23, 45.074, 304.565



22, 2.841, 277.260



17, 59.538, 298.714



39, 107.475, 300.515

Inverse Universe

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



28, 32.224, 7.059



34, 46.930, 11.049



44, 38.982, 115.773



22, 2.816, 359.128



24, 50.353, 21.776



52, 87.902, 25.285

Previews

White Background



This preview shows how the CIE LCh color 27, 32.599, 286.976 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 CIE LCh color 27, 32.599, 286.976 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 27, 32.599, 286.976

Background



This preview shows how black text looks on a background with the CIELCh color 27, 32.599, 286.976.



This preview shows how white text looks on a background with the CIELCh color 27, 32.599, 286.976.

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

27, 32.599, 286.976

Protanopia

27, 32.699, 285.717

Deuteranopia

27, 30.865, 276.485



Tritanopia
27, 15.263, 209.645

Trichromacy



Original Color
27, 32.599, 286.976

Protanomaly
27, 32.665, 286.128

Deuteranomaly
27, 31.168, 279.826

Tritanomaly
27, 17.238, 251.480

Monochromacy



Original Color
27, 32.599, 286.976

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 11.998, 279.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 32.599, 286.976 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(44, 62, 112)` looks like.

```
.text, #text, p{  
    color:rgb(44, 62, 112)  
}
```

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(44, 62, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 62, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 32.599, 286.976 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(44, 62, 112) }
```

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

```
.border{ border-color:rgb(44, 62, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 62, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 62, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 62, 112);  
box-shadow:4px 4px 4px 4px rgb(44, 62,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 32.599, 286.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 62, 112) }
```

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

```
.background{ background-color: rgb(44, 62,  
112) }
```

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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