

Converting Colors

CIELCh(23, 19.073, 289.800)

Have a look what the booklet for
CIELCh(23, 19.073, 289.800)
contains.

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Color

CIELCh(23, 19.360, 289.932)

Conversions

Conversions Part 1

Format	Color
Hex	313552
RGB	49, 53, 82
RGB Percent	19%, 21%, 32%
CMY	0.8081, 0.7924, 0.6787
CMYK	0.40, 0.35, 0.00, 0.68
HSL	233°, 25%, 26%
HSV	233°, 40%, 32%
XYZ	4.0545, 3.8003, 8.4894
YIQ	55.1100, -11.6930, 8.1710

Conversions

Conversions Part 2

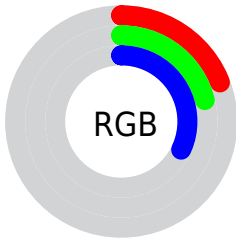
Format	Color
RYB	49, 53, 82
Decimal	3224914
CIELab	23.00, 6.60, -18.20
CIELCh	23, 19.360, 289.932
Yxy	3.8003, 0.2481, 0.2325
Android (android.graphics.Color)	4281414994 (0xFF313552)
YUV	55.1100, 13.2568, -5.3585
Hunter-Lab	19.4944, 3.0093, -12.1736

Details

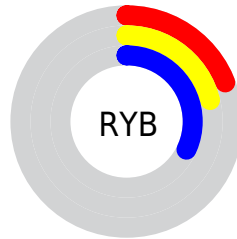
The CIELCh color **23, 19.360, 289.932** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **33, 18.095, 100.757**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 19.879, 290.932**, and **3, 19.150, 290.101** is the 20% darker color. If you saturate the color by 10%, you get **20, 24.592, 291.742**, and if you desaturate by 10%, it is **26, 14.308, 288.354**.

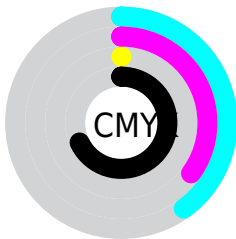
Distribution



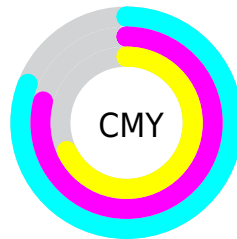
- Red (19%)
- Green (21%)
- Blue (32%)



- Red (19%)
- Yellow (21%)
- Blue (32%)



- Cyan (40%)
- Magenta (35%)
- Yellow (0%)
- Black (68%)



- Cyan (81%)
- Magenta (79%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 19.360, 289.932 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 23, 19.360, 289.932 by changing the saturation by 10% instead.

■ 23, 19.360,
289.932

■ 23, 19.360,
289.932

■ 100, 19.360,
289.932

■ 13, 19.360,
289.932

■ 43, 19.360,
289.932

■ 3, 19.360, 289.932

■ 53, 19.360,
289.932

■ 0, 19.360, 289.932

■ 63, 19.360,
289.932

■ 73, 19.360,
289.932

■ 83, 19.360,
289.932

■ 93, 19.360,

289.932

■ 23, 19.360,
289.932

■ 23, 19.360,
289.932

■ 20, 24.592,
291.742

■ 26, 14.308,
288.354

■ 17, 30.010,
293.792

■ 29, 9.427, 286.989

■ 14, 35.586,
296.058

■ 32, 4.704, 285.812

■ 35, 0.127, 285.256

■ 12, 41.233,
298.467

■ 38, 4.313, 103.871

■ 9, 46.738, 300.857

■ 41, 8.624, 103.102

■ 7, 51.651, 302.631

■ 43, 12.815,
102.424

■ 46, 16.891,
101.827

■ 49, 20.858,
101.299

Harmonies

Complementary

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



23, 19.360, 289.932



33, 18.095, 100.757

Rectangle

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



23, 19.360, 289.932



23, 19.360, 339.932



23, 19.360, 109.932



23, 19.360, 159.932

Sweetspot

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



23, 19.359, 289.932



41, 6.878, 286.051



32, 13.296, 185.350



20, 4.513, 286.115



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



23, 19.359, 289.932



28, 29.267, 291.634



23, 22.599, 306.559



15, 2.545, 285.646



11, 62.865, 303.450



31, 118.121, 304.799

Inverse Universe

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



24, 16.062, 13.618



30, 24.337, 15.186



33, 21.100, 122.349



15, 2.043, 10.019



20, 49.005, 31.228



49, 91.867, 35.401

Previews

White Background



This preview shows how the CIE LCh color 23, 19.360, 289.932 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 23, 19.360, 289.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

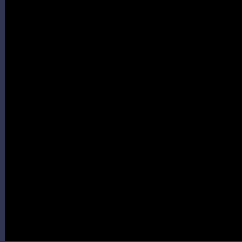
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 19.360, 289.932

Background



This preview shows how black text looks on a background with the CIELCh color 23, 19.360, 289.932.



This preview shows how white text looks on a background with the CIELCh color 23, 19.360, 289.932.

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

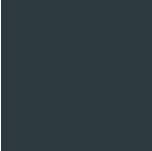
23, 19.360, 289.932

Protanopia

23, 19.466, 284.795

Deuteranopia

23, 18.294, 280.498



Tritanopia
23, 6.274, 230.904

Trichromacy



Original Color
23, 19.360, 289.932

Protanomaly
23, 19.425, 285.777

Deuteranomaly
23, 18.820, 284.260

Tritanomaly
23, 9.410, 266.831

Monochromacy



Original Color
23, 19.360, 289.932

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 7.355, 288.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 19.360, 289.932 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(49, 53, 82)` looks like.

```
.text, #text, p{  
    color:rgb(49, 53, 82)  
}
```

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(49, 53, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 53, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 19.360, 289.932 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(49, 53, 82) }
```

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

```
.border{ border-color:rgb(49, 53, 82) }
```

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

Here you see how a box with a 4 pixel rgb(49, 53, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 53, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 53, 82);  
box-shadow:4px 4px 4px 4px rgb(49, 53, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 19.360, 289.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 53, 82) }
```

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

```
.background{ background-color: rgb(49, 53,  
82) }
```

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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