

Converting Colors

CIELCh(23, 35.492, 289.981)

Have a look what the booklet for
CIELCh(23, 35.492, 289.981)
contains.

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Color

CIELCh(23, 35.264, 289.729)

Conversions

Conversions Part 1

Format	Color
Hex	233469
RGB	35, 52, 105
RGB Percent	14%, 20%, 41%
CMY	0.8640, 0.7970, 0.5893
CMYK	0.67, 0.51, 0.00, 0.59
HSL	225°, 50%, 27%
HSV	225°, 67%, 41%
XYZ	4.4351, 3.8003, 13.7889
YIQ	52.9590, -27.1450, 12.8790

Conversions

Conversions Part 2

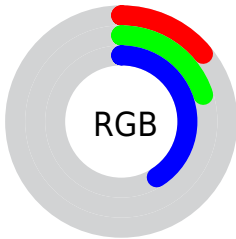
Format	Color
R_{YB}	35, 49, 105
Decimal	2307177
CIE _{Lab}	23.00, 11.90, -33.19
CIE _{LCh}	23, 35.264, 289.729
Yxy	3.8003, 0.2014, 0.1726
Android (android.graphics.Color)	4280497257 (0xFF233469)
YUV	52.9590, 25.6562, -15.7500
Hunter-Lab	19.4944, 6.4944, -28.2913

Details

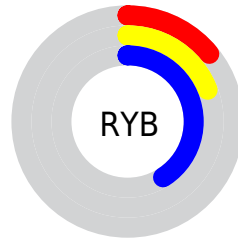
The CIELCh color **23, 35.264, 289.729** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **38, 32.525, 89.696**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 35.478, 290.049**, and **4, 35.266, 296.884** is the 20% darker color. If you saturate the color by 10%, you get **20, 41.140, 292.557**, and if you desaturate by 10%, it is **26, 29.554, 287.163**.

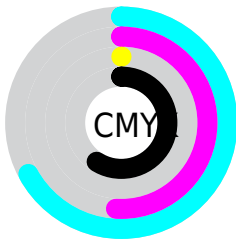
Distribution



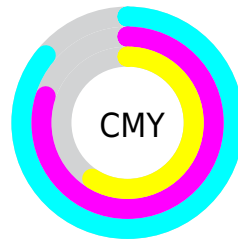
- Red (14%)
- Green (20%)
- Blue (41%)



- Red (14%)
- Yellow (19%)
- Blue (41%)



- Cyan (67%)
- Magenta (51%)
- Yellow (0%)
- Black (59%)



- Cyan (86%)
- Magenta (80%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 35.264, 289.729 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, 35.264, 289.729 by changing the saturation by 10% instead.

■ 23, 35.264,
289.729

■ 23, 35.264,
289.729

■ 100, 35.264,
289.729

■ 13, 35.264,
289.729

■ 43, 35.264,
289.729

■ 3, 35.264, 289.729

■ 53, 35.264,
289.729

■ 0, 35.264, 289.729

■ 63, 35.264,
289.729

■ 73, 35.264,
289.729

■ 83, 35.264,
289.729

■ 93, 35.264,

289.729

■ 23, 35.264,
289.729

■ 23, 35.264,
289.729

■ 20, 41.140,
292.557

■ 26, 29.554,
287.163

■ 17, 47.121,
295.550

■ 29, 24.018,
284.891

■ 15, 53.059,
298.423

■ 32, 18.645,
282.911

■ 14, 54.884,
299.196

■ 36, 13.418,
281.198

■ 39, 8.325, 279.722

■ 42, 3.354, 278.462

■ 45, 1.499, 97.241

■ 48, 6.243, 96.331

■ 52, 10.879, 95.491

Harmonies

Complementary

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



23, 35.264, 289.729



38, 32.525, 89.696

Rectangle

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



23, 35.264, 289.729



23, 35.264, 339.729



23, 35.264, 109.729



23, 35.264, 159.729

Sweetspot

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



23, 35.264, 289.730



48, 12.219, 280.238



40, 26.613, 172.494



24, 8.422, 280.541



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



23, 35.264, 289.730



25, 53.184, 294.135



20, 47.115, 305.554



21, 2.799, 278.709



16, 60.256, 299.615



37, 109.590, 301.373

Inverse Universe

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



25, 33.368, 10.167



30, 47.788, 15.221



42, 40.189, 116.332



21, 2.681, 0.703



23, 50.087, 23.489



51, 88.370, 27.084

Previews

White Background



This preview shows how the CIE LCh color 23, 35.264, 289.729 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 23, 35.264, 289.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

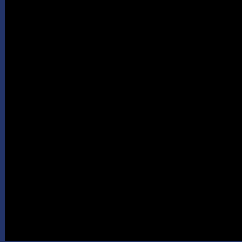
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 35.264, 289.729

Background



This preview shows how black text looks on a background with the CIELCh color 23, 35.264, 289.729.



This preview shows how white text looks on a background with the CIELCh color 23, 35.264, 289.729.

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, 35.264, 289.729

Protanopia

23, 35.499, 285.804

Deuteranopia

23, 29.434, 272.811



Tritanopia
23, 17.435, 207.829

Trichromacy



Original Color
23, 35.264, 289.729

Protanomaly
23, 35.391, 286.925

Deuteranomaly
22, 31.450, 279.118

Tritanomaly
23, 18.730, 250.475

Monochromacy



Original Color
23, 35.264, 289.729

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 12.931, 280.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 35.264, 289.729 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(35, 52, 105)` looks like.

```
.text, #text, p{  
    color:rgb(35, 52, 105)  
}
```

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(35, 52, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 52, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 35.264, 289.729 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(35, 52, 105) }
```

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

```
.border{ border-color:rgb(35, 52, 105) }
```

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

Here you see how a box with a 4 pixel rgb(35, 52, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 52, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 52, 105);  
box-shadow:4px 4px 4px 4px rgb(35, 52,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 35.264, 289.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 52, 105) }
```

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

```
.background{ background-color: rgb(35, 52,  
105) }
```

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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