

Converting Colors

CIELCh(23, 55.898, 306.105)

Have a look what the booklet for
CIELCh(23, 55.898, 306.105)
contains.

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Color

CIELCh(23, 56.206, 306.062)

Conversions

Conversions Part 1

Format	Color
Hex	3C267C
RGB	60, 38, 124
RGB Percent	24%, 15%, 49%
CMY	0.7648, 0.8510, 0.5138
CMYK	0.52, 0.69, 0.00, 0.51
HSL	255°, 53%, 32%
HSV	255°, 69%, 49%
XYZ	6.1922, 3.8003, 19.4706
YIQ	54.3820, -14.4940, 31.4100

Conversions

Conversions Part 2

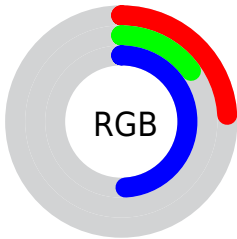
Format	Color
R_{YB}	60, 38, 124
Decimal	3942012
CIE _{Lab}	23.00, 33.09, -45.44
CIE _{LCh}	23, 56.206, 306.062
Yxy	3.8003, 0.2102, 0.1290
Android (android.graphics.Color)	4282132092 (0xFF3C267C)
YUV	54.3820, 34.3217, 4.9270
Hunter-Lab	19.4944, 22.5836, -45.5714

Details

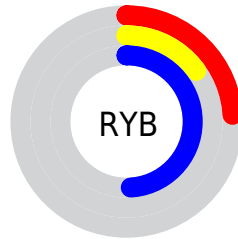
The CIELCh color **23, 56.206, 306.062** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **49, 47.443, 116.504**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 55.722, 305.851**, and **4, 51.999, 304.382** is the 20% darker color. If you saturate the color by 10%, you get **20, 64.022, 306.954**, and if you desaturate by 10%, it is **27, 47.817, 305.055**.

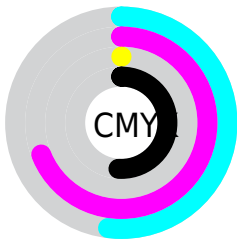
Distribution



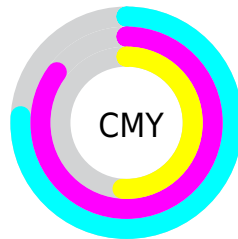
- Red (24%)
- Green (15%)
- Blue (49%)



- Red (24%)
- Yellow (15%)
- Blue (49%)



- Cyan (52%)
- Magenta (69%)
- Yellow (0%)
- Black (51%)





- Cyan (76%)
- Magenta (85%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 56.206, 306.062 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, 56.206, 306.062 by changing the saturation by 10% instead.

 23, 56.206,
306.062


 23, 56.206,
306.062

 100, 56.206,
306.062


 13, 56.206,
306.062


 43, 56.206,
306.062


 3, 56.206, 306.062

 53, 56.206,
306.062

 0, 56.206, 306.062

 63, 56.206,
306.062

 73, 56.206,
306.062

 83, 56.206,
306.062

 93, 56.206,

306.062

■ 23, 56.206,
306.062

■ 23, 56.206,
306.062

■ 20, 64.022,
306.954

■ 27, 47.817,
305.055

■ 17, 70.585,
307.570

■ 31, 39.288,
304.039

■ 14, 76.005,
308.037

■ 35, 30.856,
303.074

■ 14, 76.376,
308.084

■ 39, 22.632,
302.192

■ 44, 14.666,
301.401

■ 48, 6.970, 300.702

■ 52, 0.460, 120.144

■ 57, 7.632, 119.565

■ 61, 14.560,
119.102

Harmonies

Complementary

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



23, 56.206, 306.062



49, 47.443, 116.504

Rectangle

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



23, 56.206, 306.062



23, 56.206, 356.062



23, 56.206, 126.062



23, 56.206, 176.062

Sweetspot

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



23, 56.206, 306.063



55, 19.736, 301.562



40, 22.230, 234.097



27, 13.516, 301.736



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



23, 56.206, 306.063



25, 81.996, 307.345



29, 55.833, 319.760



23, 4.147, 300.682



14, 76.811, 308.077



34, 130.072, 307.646

Inverse Universe

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



31, 47.813, 337.682



38, 64.653, 339.302



46, 54.178, 133.707



24, 4.123, 333.090



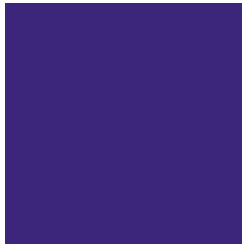
27, 56.373, 341.189



56, 94.024, 342.090

Previews

White Background



This preview shows how the CIE LCh color 23, 56.206, 306.062 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, 56.206, 306.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

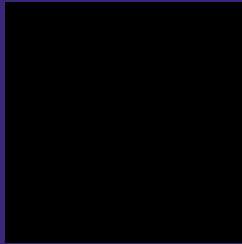
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 56.206, 306.062

Background



This preview shows how black text looks on a background with the CIELCh color 23, 56.206, 306.062.



This preview shows how white text looks on a background with the CIELCh color 23, 56.206, 306.062.

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

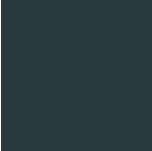
23, 56.206, 306.062

Protanopia

23, 40.277, 284.866

Deuteranopia

23, 28.313, 270.602



Tritanopia
23, 7.587, 224.568

Trichromacy



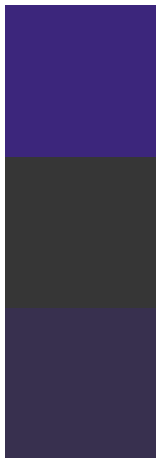
Original Color
23, 56.206, 306.062

Protanomaly
22, 45.923, 292.503

Deuteranomaly
22, 38.241, 288.217

Tritanomaly
22, 22.750, 292.332

Monochromacy



Original Color
23, 56.206, 306.062

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 21.133, 302.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 56.206, 306.062 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(60, 38, 124)` looks like.

```
.text, #text, p{  
    color:rgb(60, 38, 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(60, 38, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 38, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 56.206, 306.062 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(60, 38, 124) }
```

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

```
.border{ border-color:rgb(60, 38, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 38, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 38, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 38, 124);  
box-shadow:4px 4px 4px 4px rgb(60, 38,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 56.206, 306.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 38, 124) }
```

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

```
.background{ background-color: rgb(60, 38,  
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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