

Converting Colors

CIELCh(23, 12.194, 303.748)

Have a look what the booklet for
CIELCh(23, 12.194, 303.748)
contains.

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Color

CIELCh(23, 12.344, 304.443)

Conversions

Conversions Part 1

Format	Color
Hex	3A3446
RGB	58, 52, 70
RGB Percent	23%, 20%, 27%
CMY	0.7725, 0.7960, 0.7254
CMYK	0.17, 0.26, 0.00, 0.73
HSL	260°, 15%, 24%
HSV	260°, 26%, 27%
XYZ	4.0811, 3.8003, 6.3161
YIQ	55.8460, -2.2020, 6.8700

Conversions

Conversions Part 2

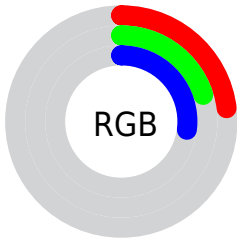
Format	Color
R_{YB}	58, 52, 70
Decimal	3814470
CIE Lab	23.00, 6.98, -10.18
CIE LCh	23, 12.344, 304.443
Yxy	3.8003, 0.2874, 0.2677
Android (android.graphics.Color)	4282004550 (0xFF3A3446)
YUV	55.8460, 6.9779, 1.8891
Hunter-Lab	19.4944, 3.2531, -5.5638

Details

The CIELCh color **23, 12.344, 304.443** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 11.829, 121.794**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 12.418, 304.583**, and **3, 12.519, 304.460** is the 20% darker color. If you saturate the color by 10%, you get **20, 17.396, 305.092**, and if you desaturate by 10%, it is **26, 7.429, 303.851**.

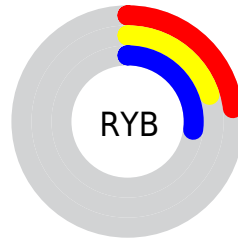
Distribution



 Red (23%)

 Green (20%)

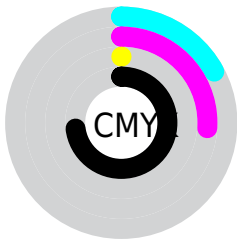
 Blue (27%)



 Red (23%)

 Yellow (20%)

 Blue (27%)

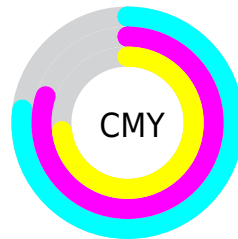


 Cyan (17%)


 Magenta (26%)

 Yellow (0%)

 Black (73%)



 Cyan (77%)


 Magenta (80%)

 Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 12.344, 304.443 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, 12.344, 304.443 by changing the saturation by 10% instead.

 23, 12.344,
304.443


 23, 12.344,
304.443

 100, 12.344,
304.443

 13, 12.344,
304.443


 43, 12.344,
304.443


 3, 12.344, 304.443

 53, 12.344,
304.443

 0, 12.344, 304.443

 63, 12.344,
304.443

 73, 12.344,
304.443

 83, 12.344,
304.443

 93, 12.344,

304.443

■ 23, 12.344,
304.443

■ 23, 12.344,
304.443

■ 20, 17.396,
305.092

■ 26, 7.429, 303.851

■ 28, 2.660, 303.314

■ 18, 22.568,
305.795

■ 31, 1.963, 122.867

■ 15, 27.813,
306.534

■ 33, 6.443, 122.439

■ 13, 33.049,
307.279

■ 36, 10.788,
122.069

■ 11, 38.126,
307.978

■ 39, 15.003,
121.745

■ 8, 42.802, 308.548

■ 41, 19.094,
121.462

■ 6, 47.278, 309.065

■ 44, 23.070,
121.215

■ 6, 49.120, 309.218

■ 46, 26.935,
120.999

Harmonies

Complementary

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



23, 12.344, 304.443



29, 11.829, 121.794

Rectangle

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



23, 12.344, 304.443



23, 12.344, 354.443



23, 12.344, 124.443



23, 12.344, 174.443

Sweetspot

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



23, 12.343, 304.442



36, 4.686, 303.450



26, 6.218, 238.108



17, 3.285, 303.496



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



23, 12.343, 304.442



29, 18.817, 304.863



24, 13.613, 320.832



13, 2.650, 303.466



11, 64.248, 309.376



32, 118.398, 308.658

Inverse Universe

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



24, 11.319, 337.336



31, 17.103, 337.816



28, 13.495, 138.605



13, 2.470, 336.159



20, 45.861, 345.954



50, 82.612, 347.763

Previews

White Background



This preview shows how the CIELCh color 23, 12.344, 304.443 looks on a white background.

Color Contrast Check

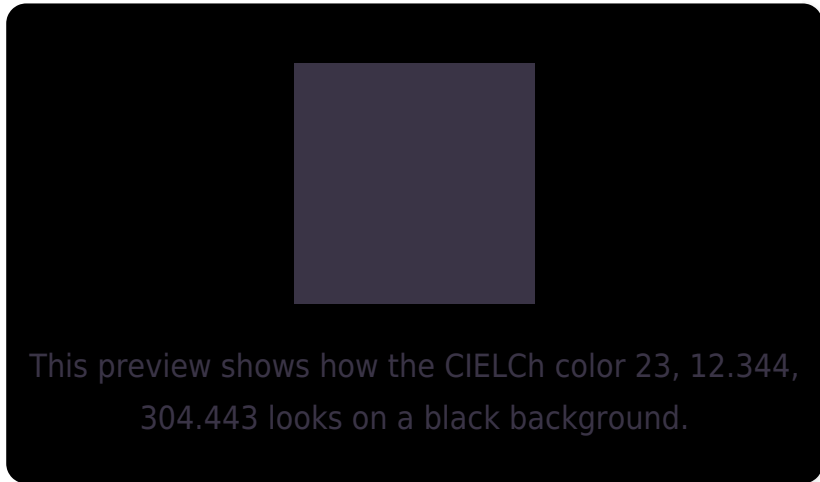
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 12.344, 304.443

Background



This preview shows how black text looks on a background with the CIELCh color 23, 12.344, 304.443.



This preview shows how white text looks on a background with the CIELCh color 23, 12.344, 304.443.

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, 12.344, 304.443

Protanopia

23, 12.080, 285.193

Deuteranopia

23, 10.680, 290.282



Tritanopia
23, 2.834, 309.311

Trichromacy



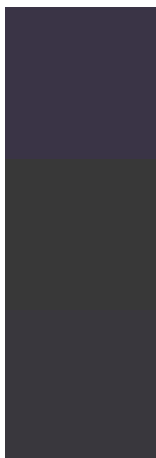
Original Color
23, 12.344, 304.443

Protanomaly
23, 12.042, 292.782

Deuteranomaly
23, 11.416, 296.774

Tritanomaly
23, 6.300, 307.708

Monochromacy



Original Color
23, 12.344, 304.443

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 4.108, 303.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 12.344, 304.443 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(58, 52, 70)` looks like.

```
.text, #text, p{  
    color:rgb(58, 52, 70)  
}
```

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(58, 52, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 52, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 12.344, 304.443 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(58, 52, 70) }
```

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

```
.border{ border-color:rgb(58, 52, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 52, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 52, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 52, 70);  
box-shadow:4px 4px 4px 4px rgb(58, 52, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 12.344, 304.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 52, 70) }
```

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

```
.background{ background-color: rgb(58, 52,  
70) }
```

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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