

Converting Colors

CIELCh(32, 20.208, 123.158)

Have a look what the booklet for
CIELCh(32, 20.208, 123.158)
contains.

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Color

CIELCh(32, 20.052, 123.203)

Conversions

Conversions Part 1

Format	Color
Hex	434F30
RGB	67, 79, 48
RGB Percent	26%, 31%, 19%
CMY	0.7355, 0.6884, 0.8101
CMYK	0.15, 0.00, 0.39, 0.69
HSL	83°, 24%, 25%
HSV	83°, 39%, 31%
XYZ	5.7179, 7.0852, 3.9094
YIQ	71.8780, 2.7990, -12.1850

Conversions

Conversions Part 2

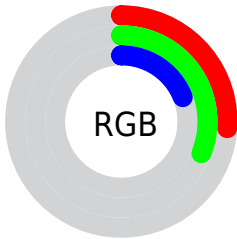
Format	Color
R_YB	48, 79, 60
Decimal	4411184
CIE Lab	32.00, -10.98, 16.78
CIE LCh	32, 20.052, 123.203
Yxy	7.0852, 0.3421, 0.4239
Android (android.graphics.Color)	4282601264 (0xFF434F30)
YUV	71.8780, -11.7719, -4.2780
Hunter-Lab	26.6180, -8.2371, 9.9245

Details

The CIELCh color **32, 20.052, 123.203** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 21.371, 307.129**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 20.174, 122.408**, and **12, 20.591, 124.013** is the 20% darker color. If you saturate the color by 10%, you get **32, 24.982, 122.764**, and if you desaturate by 10%, it is **32, 14.990, 123.676**.

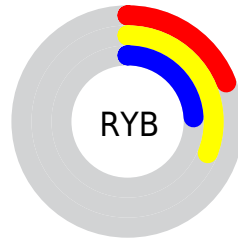
Distribution



Red (26%)

Green (31%)

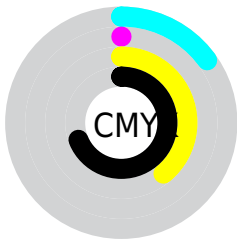
Blue (19%)



Red (19%)

Yellow (31%)

Blue (24%)

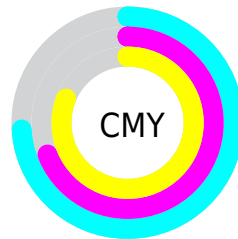


Cyan (15%)

Magenta (0%)

Yellow (39%)

Black (69%)



Cyan (74%)


Magenta (69%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 20.052, 123.203 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 32, 20.052, 123.203 by changing the saturation by 10% instead.


 32, 20.052,
123.203


 32, 20.052,
123.203

 100, 20.052,
123.203


 22, 20.052,
123.203

 52, 20.052,
123.203


 12, 20.052,
123.203


 62, 20.052,
123.203

 2, 20.052, 123.203

 72, 20.052,
123.203

 0, 20.052, 123.203

 82, 20.052,
123.203

 92, 20.052,
123.203

■ 32, 20.052,
123.203

■ 32, 20.052,
123.203

■ 32, 24.982,
122.764

■ 32, 14.990,
123.676

■ 31, 29.692,
122.390

■ 33, 9.851, 124.155

■ 31, 34.066,
122.135

■ 33, 4.679, 124.627

■ 34, 0.496, 304.985

■ 31, 37.946,
122.071

■ 34, 5.653, 305.485

■ 30, 41.158,
122.279

■ 35, 10.775,
305.886

■ 30, 44.312,
122.386

■ 36, 15.852,
306.256

■ 30, 44.632,
122.378

■ 36, 20.872,
306.598

■ 37, 25.832,

Harmonies

Complementary

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



32, 20.052, 123.203



23, 21.371, 307.129

Rectangle

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



32, 20.052, 123.203



32, 20.052, 173.203



32, 20.052, 303.203



32, 20.052, 353.203

Sweetspot

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



32, 20.053, 123.205



43, 7.787, 124.467



27, 12.388, 58.553



22, 5.207, 124.439



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 20.053, 123.205



42, 30.042, 122.776



31, 23.081, 139.078



16, 2.954, 124.641



40, 54.213, 122.958



84, 98.041, 124.041

Inverse Universe

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



23, 21.371, 307.129



27, 32.624, 307.753



24, 23.262, 322.905



15, 2.997, 305.422



12, 65.921, 310.204



34, 119.186, 309.486

Previews

White Background



This preview shows how the CIELCh color 32, 20.052, 123.203 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 32, 20.052, 123.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

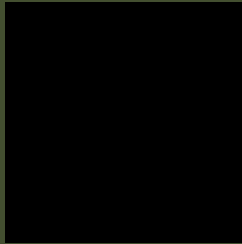
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.052, 123.203

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.052, 123.203.



This preview shows how white text looks on a background with the CIELCh color 32, 20.052, 123.203.

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

32, 20.052, 123.203

Protanopia

32, 17.839, 95.817

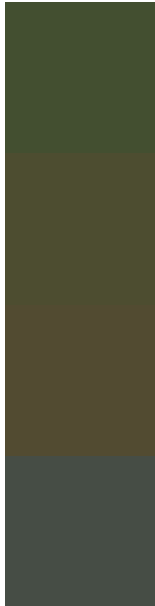
Deuteranopia

32, 16.629, 75.272



Tritanopia
32, 3.551, 262.587

Trichromacy



Original Color
32, 20.052, 123.203

Protanomaly
32, 18.019, 106.903

Deuteranomaly
32, 16.639, 95.303

Tritanomaly
32, 5.952, 140.555

Monochromacy



Original Color
32, 20.052, 123.203

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.935, 125.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.052, 123.203 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(67, 79, 48)` looks like.

```
.text, #text, p{  
    color:rgb(67, 79, 48)  
}
```

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(67, 79, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 79, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.052, 123.203 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(67, 79, 48) }
```

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

```
.border{ border-color:rgb(67, 79, 48) }
```

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

Here you see how a box with a 4 pixel rgb(67, 79, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 79, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 79, 48);  
box-shadow:4px 4px 4px 4px rgb(67, 79, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.052, 123.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 79, 48) }
```

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

```
.background{ background-color: rgb(67, 79,  
48) }
```

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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