

Converting Colors

CIELCh(18, 6.384, 94.663)

Have a look what the booklet for
CIELCh(18, 6.384, 94.663) contains.

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Color

CIELCh(18, 6.362, 94.706)

Conversions

Conversions Part 1

Format	Color
Hex	2F2C23
RGB	47, 44, 35
RGB Percent	18%, 17%, 14%
CMY	0.8160, 0.8278, 0.8631
CMYK	0.00, 0.06, 0.26, 0.82
HSL	45°, 15%, 16%
HSV	45°, 26%, 18%
XYZ	2.3678, 2.5180, 1.9448
YIQ	43.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

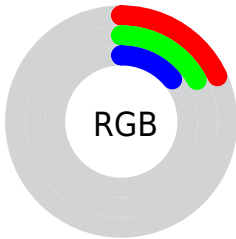
Format	Color
R_YB	39, 47, 35
Decimal	3091491
CIE Lab	18.00, -0.52, 6.34
CIE LCh	18, 6.362, 94.706
Yxy	2.5180, 0.3466, 0.3686
Android (android.graphics.Color)	4281281571 (0xFF2F2C23)
YUV	43.8710, -4.3734, 2.7441
Hunter-Lab	15.8683, -1.1342, 3.8413

Details

The CIELCh color **18, 6.362, 94.706** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 6.453, 280.103**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 6.372, 93.033**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 8.886, 93.686**, and if you desaturate by 10%, it is **19, 3.855, 95.712**.

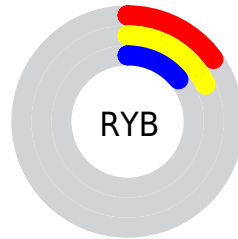
Distribution



Red (18%)

Green (17%)

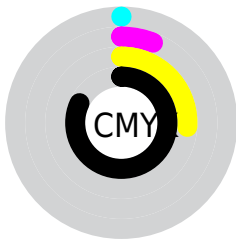
Blue (14%)



Red (15%)

Yellow (18%)

Blue (14%)

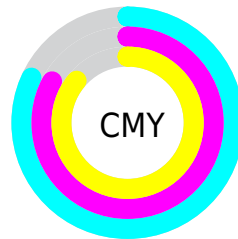


Cyan (0%)

Magenta (6%)

Yellow (26%)

Black (82%)



Cyan (82%)

Magenta (83%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 6.362, 94.706 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 18, 6.362, 94.706 by changing the saturation by 10% instead.

 18, 6.362, 94.706  18, 6.362, 94.706

 100, 6.362, 94.706  8, 6.362, 94.706

 38, 6.362, 94.706  0, 6.362, 94.706

 48, 6.362, 94.706

 58, 6.362, 94.706

 68, 6.362, 94.706

 78, 6.362, 94.706

 88, 6.362, 94.706

 98, 6.362, 94.706

 18, 6.362, 94.706  18, 6.362, 94.706

■ 17, 8.886, 93.686	■ 19, 3.855, 95.712
■ 17, 11.414, 92.635	■ 19, 1.370, 96.659
■ 17, 13.927, 91.564	■ 20, 1.089, 277.721
■ 16, 16.239, 90.477	■ 20, 3.521, 278.595
■ 16, 18.010, 89.330	■ 21, 5.926, 279.472
■ 15, 19.386, 88.133	■ 21, 8.303, 280.320
■ 15, 20.741, 87.089	■ 22, 10.655, 281.134
■ 14, 21.341, 86.673	■ 22, 12.981, 281.914
	■ 23, 15.283, 282.660

Harmonies

Complementary

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



18, 6.362, 94.706



15, 6.453, 280.103

Rectangle

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



18, 6.362, 94.706



18, 6.362, 144.706



18, 6.362, 274.706



18, 6.362, 324.706

Sweetspot

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



18, 6.362, 94.713



25, 2.466, 96.397



15, 6.323, 1.675



11, 1.712, 96.354



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 6.362, 94.713



24, 9.676, 93.977



19, 8.299, 118.595



7, 1.228, 96.637



29, 38.323, 85.083



69, 73.446, 83.205

Inverse Universe

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



15, 6.453, 280.103



20, 9.858, 281.084



14, 8.664, 301.389



7, 1.254, 277.829



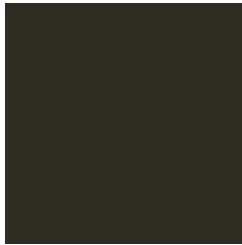
11, 46.542, 298.089



33, 97.627, 300.907

Previews

White Background



This preview shows how the CIELCh color 18, 6.362, 94.706 looks on a white background.

Color Contrast Check

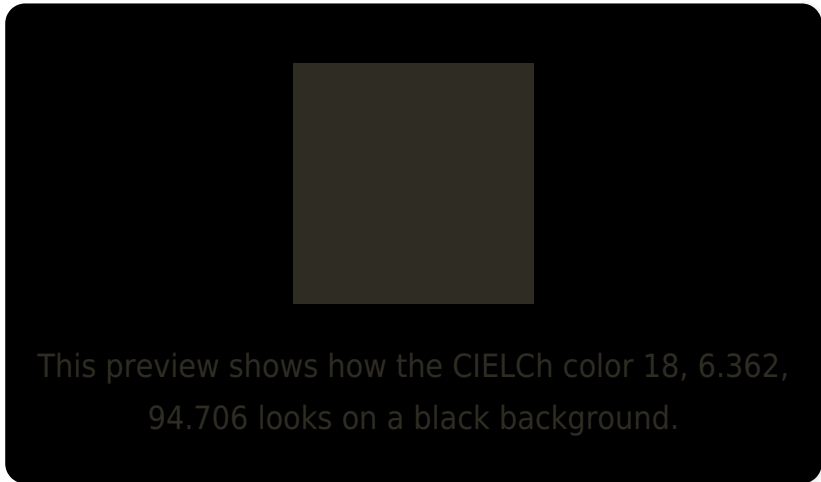
Large Text (above 18pt) WCAG AA ✓ Pass

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

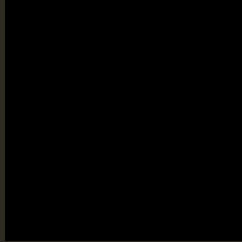
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 6.362, 94.706

Background



This preview shows how black text looks on a background with the CIELCh color 18, 6.362, 94.706.

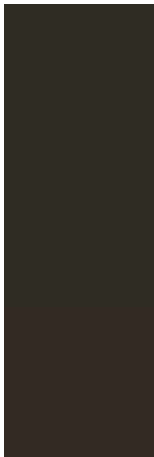


This preview shows how white text looks on a background with the CIELCh color 18, 6.362, 94.706.

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

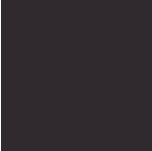
18, 6.362, 94.706

Protanopia

18, 6.362, 94.706

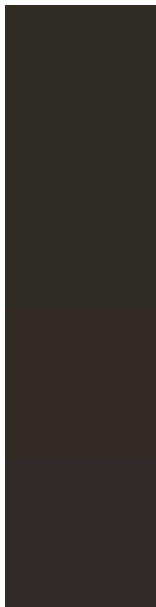
Deuteranopia

18, 6.728, 65.423



Tritanopia
18, 3.980, 336.362

Trichromacy



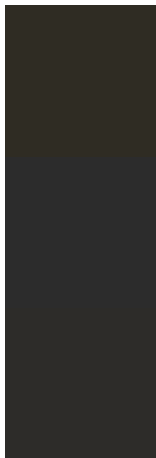
Original Color
18, 6.362, 94.706

Protanomaly
18, 6.362, 94.706

Deuteranomaly
18, 6.595, 75.751

Tritanomaly
18, 2.531, 35.577

Monochromacy



Original Color
18, 6.362, 94.706

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.115, 96.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 6.362, 94.706 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(47, 44, 35)` looks like.

```
.text, #text, p{  
    color:rgb(47, 44, 35)  
}
```

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(47, 44, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 44, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 6.362, 94.706 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(47, 44, 35) }
```

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

```
.border{ border-color:rgb(47, 44, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 44, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 44, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 44, 35);  
box-shadow:4px 4px 4px 4px rgb(47, 44, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 6.362, 94.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 44, 35) }
```

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

```
.background{ background-color: rgb(47, 44,  
35) }
```

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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