

Converting Colors

CIELCh(27, 11.780, 80.392)

Have a look what the booklet for
CIELCh(27, 11.780, 80.392) contains.

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Color

CIELCh(27, 11.780, 80.392)

Conversions

Conversions Part 1

Format	Color
Hex	493E2E
RGB	73, 62, 46
RGB Percent	29%, 24%, 18%
CMY	0.7128, 0.7560, 0.8188
CMYK	0.00, 0.15, 0.37, 0.71
HSL	36°, 23%, 23%
HSV	36°, 37%, 29%
XYZ	4.9971, 5.0937, 3.3265
YIQ	63.4650, 11.6920, -2.6440

Conversions

Conversions Part 2

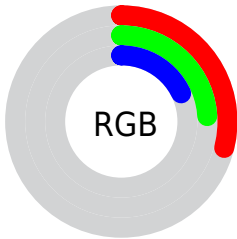
Format	Color
RYB	65, 73, 46
Decimal	4800046
CIELab	27.00, 1.97, 11.61
CIELCh	27, 11.780, 80.392
Yxy	5.0937, 0.3724, 0.3796
Android (android.graphics.Color)	4282990126 (0xFF493E2E)
YUV	63.4650, -8.6102, 8.3622
Hunter-Lab	22.5692, 0.0261, 7.0595

Details

The CIELCh color **27, 11.780, 80.392** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 11.303, 270.124**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 11.567, 79.232**, and **7, 10.719, 79.498** is the 20% darker color. If you saturate the color by 10%, you get **26, 15.171, 79.161**, and if you desaturate by 10%, it is **28, 8.468, 81.606**.

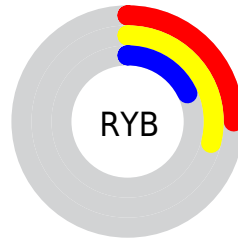
Distribution



Red (29%)

Green (24%)

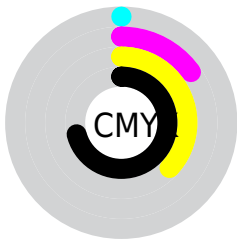
Blue (18%)



Red (25%)

Yellow (29%)

Blue (18%)

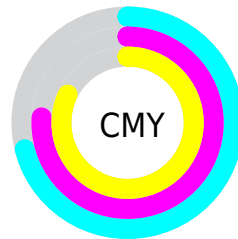


Cyan (0%)

Magenta (15%)

Yellow (37%)

Black (71%)



Cyan (71%)

Magenta (76%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 11.780, 80.392 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 27, 11.780, 80.392 by changing the saturation by 10% instead.

■ 27, 11.780, 80.392

■ 27, 11.780, 80.392

■ 100, 11.780,
80.392

■ 17, 11.780, 80.392

■ 47, 11.780, 80.392

■ 7, 11.780, 80.392

■ 57, 11.780, 80.392

■ 0, 11.780, 80.392

■ 67, 11.780, 80.392

■ 77, 11.780, 80.392

■ 87, 11.780, 80.392

■ 97, 11.780, 80.392

■ 27, 11.780, 80.392

■ 27, 11.780, 80.392

■ 26, 15.171, 79.161

■ 28, 8.468, 81.606

■ 25, 18.618, 77.890

■ 29, 5.243, 82.780

■ 24, 22.071, 76.573

■ 30, 2.108, 83.892

■ 23, 25.439, 75.176

■ 31, 0.943, 265.233

■ 22, 28.312, 73.485

■ 33, 3.913, 266.198

■ 21, 30.692, 71.675

■ 34, 6.808, 267.226

■ 21, 31.435, 71.170

■ 35, 9.637, 268.221

■ 36, 12.403,
269.178

■ 37, 15.113,
270.094

Harmonies

Complementary

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



27, 11.780, 80.392



24, 11.303, 270.124

Rectangle

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



27, 11.780, 80.392



27, 11.780, 130.392



27, 11.780, 260.392



27, 11.780, 310.392

Sweetspot

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



27, 11.780, 80.398



38, 4.178, 83.403



23, 14.484, 351.838



19, 2.834, 83.335



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 11.780, 80.398



34, 17.535, 79.317



30, 16.984, 110.687



13, 1.672, 83.716



29, 41.211, 70.759



65, 75.992, 68.211

Inverse Universe

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



24, 11.303, 270.124



29, 16.659, 271.873



20, 18.409, 297.004



13, 1.662, 265.797



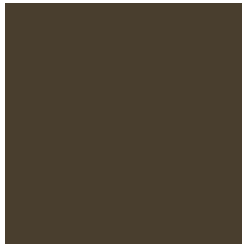
18, 40.603, 289.311



43, 80.085, 292.448

Previews

White Background



This preview shows how the CIELCh color 27, 11.780, 80.392 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 27, 11.780, 80.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

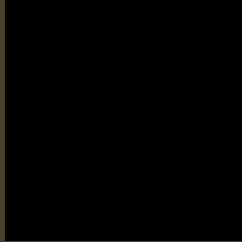
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

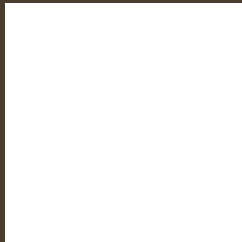
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 11.780, 80.392

Background



This preview shows how black text looks on a background with the CIELCh color 27, 11.780, 80.392.

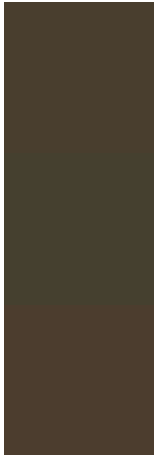


This preview shows how white text looks on a background with the CIELCh color 27, 11.780, 80.392.

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

27, 11.780, 80.392

Protanopia

27, 11.246, 95.343

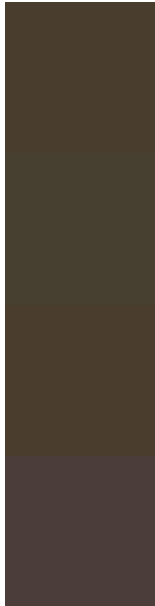
Deuteranopia

27, 12.395, 70.995



Tritanopia
27, 7.329, 0.104

Trichromacy



Original Color
27, 11.780, 80.392

Protanomaly
27, 11.102, 87.251

Deuteranomaly
27, 12.081, 72.858

Tritanomaly
27, 6.446, 37.844

Monochromacy



Original Color
27, 11.780, 80.392

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 3.735, 79.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 11.780, 80.392 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(73, 62, 46)` looks like.

```
.text, #text, p{  
    color:rgb(73, 62, 46)  
}
```

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(73, 62, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 62, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 11.780, 80.392 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(73, 62, 46) }
```

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

```
.border{ border-color:rgb(73, 62, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 62, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 62, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 62, 46);  
box-shadow:4px 4px 4px 4px rgb(73, 62, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 11.780, 80.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 62, 46) }
```

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

```
.background{ background-color: rgb(73, 62,  
46) }
```

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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