

Converting Colors

CIELCh(28, 24.832, 30.007)

Have a look what the booklet for
CIELCh(28, 24.832, 30.007) contains.

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Color

CIELCh(28, 24.752, 29.943)

Conversions

Conversions Part 1

Format	Color
Hex	653430
RGB	101, 52, 48
RGB Percent	40%, 20%, 19%
CMY	0.6033, 0.7956, 0.8113
CMYK	0.00, 0.48, 0.52, 0.60
HSL	5°, 36%, 29%
HSV	5°, 52%, 40%
XYZ	7.1534, 5.4574, 3.4861
YIQ	66.1950, 30.4880, 9.1440

Conversions

Conversions Part 2

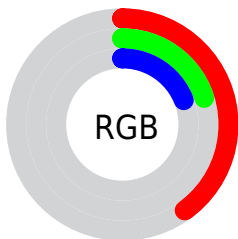
Format	Color
RYB	101, 52, 48
Decimal	6632496
CIELab	28.00, 21.45, 12.35
CIELCh	28, 24.752, 29.943
Yxy	5.4574, 0.4444, 0.3390
Android (android.graphics.Color)	4284822576 (0xFF653430)
YUV	66.1950, -8.9701, 30.5240
Hunter-Lab	23.3610, 13.7770, 7.5050

Details

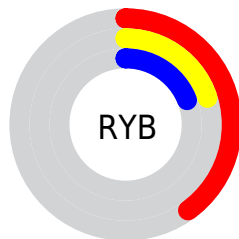
The CIELCh color **28, 24.752, 29.943** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **38, 17.005, 205.795**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 24.452, 30.506**, and **8, 25.171, 29.582** is the 20% darker color. If you saturate the color by 10%, you get **26, 30.378, 31.515**, and if you desaturate by 10%, it is **31, 19.356, 28.731**.

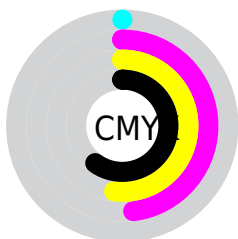
Distribution



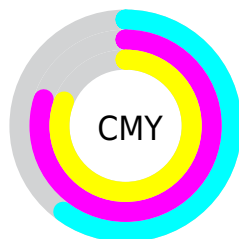
- Red (40%)
- Green (20%)
- Blue (19%)



- Red (40%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (48%)
- Yellow (52%)
- Black (60%)



- Cyan (60%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 24.752, 29.943 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 28, 24.752, 29.943 by changing the saturation by 10% instead.

 28, 24.752, 29.943

 28, 24.752, 29.943

 100, 24.752,
29.943

 18, 24.752, 29.943

 48, 24.752, 29.943

 8, 24.752, 29.943

 58, 24.752, 29.943

 0, 24.752, 29.943

 68, 24.752, 29.943

 78, 24.752, 29.943

 88, 24.752, 29.943

 98, 24.752, 29.943

 28, 24.752, 29.943

 28, 24.752, 29.943

26, 30.378, 31.515

31, 19.356, 28.731

24, 36.122, 33.473

33, 14.260, 27.806

22, 41.784, 35.765

36, 9.493, 27.108

21, 46.283, 37.001

39, 5.061, 26.573

20, 49.027, 37.951

42, 0.950, 25.919

45, 2.863, 206.137

48, 6.403, 205.896

51, 9.700, 205.764

54, 12.780,
205.689

Harmonies

Complementary

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



28, 24.752, 29.943



38, 17.005, 205.795

Rectangle

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



28, 24.752, 29.943



28, 24.752, 79.943



28, 24.752, 209.943



28, 24.752, 259.943

Sweetspot

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



28, 24.751, 29.947



49, 8.271, 26.776



29, 36.731, 329.024



24, 5.568, 26.849



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



28, 24.751, 29.947



34, 38.553, 31.959



35, 22.074, 75.745



20, 2.272, 26.405



23, 54.836, 39.108



51, 99.571, 40.631

Inverse Universe

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



38, 17.005, 205.795



49, 23.770, 206.160



30, 20.337, 271.567



21, 2.154, 206.069



41, 25.371, 208.818



82, 43.805, 209.657

Previews

White Background



This preview shows how the CIELCh color 28, 24.752, 29.943 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 28, 24.752, 29.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

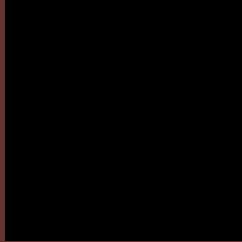
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 24.752, 29.943

Background



This preview shows how black text looks on a background with the CIELCh color 28, 24.752, 29.943.

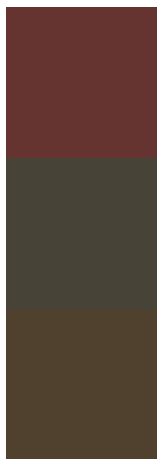


This preview shows how white text looks on a background with the CIELCh color 28, 24.752, 29.943.

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

28, 24.752, 29.943

Protanopia

28, 7.934, 94.817

Deuteranopia

28, 14.208, 73.579



Tritanopia
28, 24.570, 18.749

Trichromacy



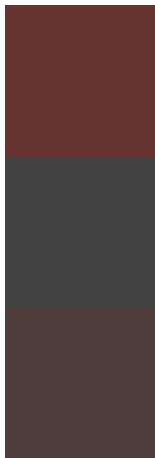
Original Color
28, 24.752, 29.943

Protanomaly
28, 11.867, 53.244

Deuteranomaly
28, 16.668, 51.010

Tritanomaly
28, 24.910, 23.095

Monochromacy



Original Color
28, 24.752, 29.943

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 8.625, 29.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 24.752, 29.943 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(101, 52, 48)` looks like.

```
.text, #text, p{  
    color:rgb(101, 52, 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(101, 52, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 52, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 24.752, 29.943 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(101, 52, 48) }
```

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

```
.border{ border-color:rgb(101, 52, 48) }
```

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

Here you see how a box with a 4 pixel rgb(101, 52, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 52, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 52, 48);  
box-shadow:4px 4px 4px 4px rgb(101, 52,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 24.752, 29.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 52, 48) }
```

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

```
.background{ background-color: rgb(101, 52,  
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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