

Converting Colors

CIELCh(28, 19.101, 45.456)

Have a look what the booklet for
CIELCh(28, 19.101, 45.456) contains.

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Color

CIELCh(28, 19.192, 45.327)

Conversions

Conversions Part 1

Format	Color
Hex	5C3A2E
RGB	92, 58, 46
RGB Percent	36%, 23%, 18%
CMY	0.6403, 0.7735, 0.8205
CMYK	0.00, 0.37, 0.50, 0.64
HSL	16°, 33%, 27%
HSV	16°, 50%, 36%
XYZ	6.3748, 5.4574, 3.2774
YIQ	66.7980, 24.1160, 3.4760

Conversions

Conversions Part 2

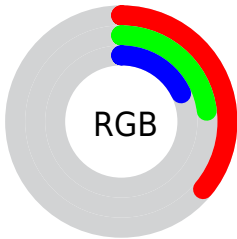
Format	Color
RYB	92, 62, 46
Decimal	6044206
CIELab	28.00, 13.49, 13.65
CIELCh	28, 19.192, 45.327
Yxy	5.4574, 0.4219, 0.3612
Android (android.graphics.Color)	4284234286 (0xFF5C3A2E)
YUV	66.7980, -10.2534, 22.1022
Hunter-Lab	23.3610, 7.8277, 8.0346




Details

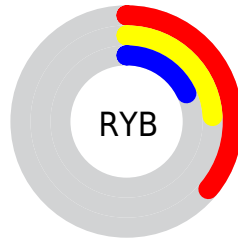
The CIELCh color **28, 19.192, 45.327** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 13.903, 231.447**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 19.239, 44.309**, and **8, 18.845, 41.428** is the 20% darker color. If you saturate the color by 10%, you get **26, 23.864, 45.396**, and if you desaturate by 10%, it is **30, 14.800, 45.404**.

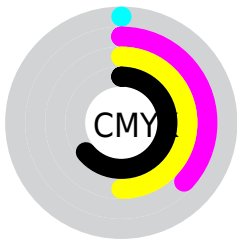
Distribution







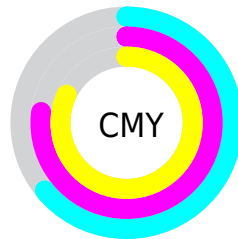
-  Red (36%)
-  Green (23%)
-  Blue (18%)






-  Red (36%)
-  Yellow (24%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (37%)
-  Yellow (50%)
-  Black (64%)



-  Cyan (64%)
-  Magenta (77%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 19.192, 45.327 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, 19.192, 45.327 by changing the saturation by 10% instead.

■ 28, 19.192, 45.327

■ 28, 19.192, 45.327

■ 100, 19.192,
45.327

■ 18, 19.192, 45.327

■ 48, 19.192, 45.327

■ 8, 19.192, 45.327

■ 58, 19.192, 45.327

■ 0, 19.192, 45.327

■ 68, 19.192, 45.327

■ 78, 19.192, 45.327

■ 88, 19.192, 45.327

■ 98, 19.192, 45.327

■ 28, 19.192, 45.327

■ 28, 19.192, 45.327

■ 26, 23.864, 45.396

■ 30, 14.800, 45.404

■ 24, 28.773, 45.593

■ 32, 10.700, 45.595

■ 22, 33.811, 45.876

■ 34, 6.885, 45.880

■ 21, 38.240, 45.375

■ 37, 3.336, 46.214

■ 20, 41.935, 44.619

■ 39, 0.033, 37.771

■ 41, 3.049, 227.325

■ 44, 5.933, 227.792

■ 46, 8.642, 228.310

■ 48, 11.194,
228.846

Harmonies

Complementary

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



28, 19.192, 45.327



32, 13.903, 231.447

Rectangle

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



28, 19.192, 45.327



28, 19.192, 95.327



28, 19.192, 225.327



28, 19.192, 275.327

Sweetspot

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



28, 19.191, 45.332



46, 6.293, 46.033



26, 28.787, 335.641



23, 4.350, 45.986



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



28, 19.191, 45.332



34, 29.879, 45.422



34, 21.986, 91.458



18, 1.842, 46.254



24, 49.460, 45.613



53, 91.855, 45.219

Inverse Universe

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



32, 13.903, 231.447



40, 19.710, 233.620



25, 22.904, 285.028



18, 1.758, 227.312



32, 24.539, 246.016



67, 44.089, 249.323

Previews

White Background



This preview shows how the CIE LCh color 28, 19.192, 45.327 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, 19.192, 45.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

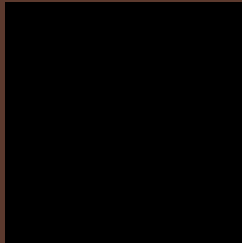
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 19.192, 45.327

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.192, 45.327.

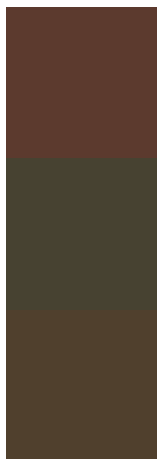


This preview shows how white text looks on a background with the CIELCh color 28, 19.192, 45.327.

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, 19.192, 45.327

Protanopia

28, 11.190, 95.425

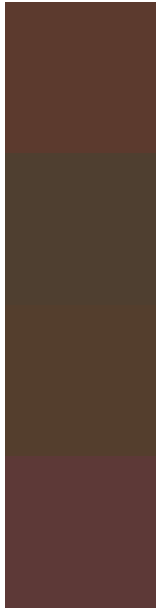
Deuteranopia

28, 14.757, 74.754



Tritanopia
28, 17.633, 14.658

Trichromacy



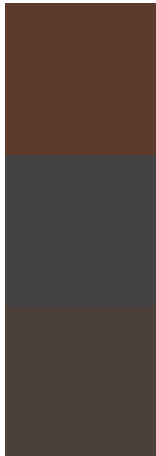
Original Color
28, 19.192, 45.327

Protanomaly
28, 12.643, 69.323

Deuteranomaly
28, 15.840, 63.499

Tritanomaly
28, 17.606, 26.756

Monochromacy



Original Color
28, 19.192, 45.327

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 6.528, 49.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.192, 45.327 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(92, 58, 46)` looks like.

```
.text, #text, p{  
    color:rgb(92, 58, 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(92, 58, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 58, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.192, 45.327 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(92, 58, 46) }
```

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

```
.border{ border-color:rgb(92, 58, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 58, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 58, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 58, 46);  
box-shadow:4px 4px 4px 4px rgb(92, 58, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.192, 45.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 58, 46) }
```

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

```
.background{ background-color: rgb(92, 58,  
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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