

Converting Colors

CIELCh(9, 13.049, 46.153)

Have a look what the booklet for
CIELCh(9, 13.049, 46.153) contains.

CIELCh(9, 13.461, 44.767)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(9, 13.461, 44.767)

Conversions

Conversions Part 1

Format	Color
Hex	29140A
RGB	41, 20, 10
RGB Percent	16%, 8%, 4%
CMY	0.8387, 0.9211, 0.9599
CMYK	0.00, 0.51, 0.75, 0.84
HSL	19°, 60%, 10%
HSV	19°, 75%, 16%
XYZ	1.2277, 1.0010, 0.4221
YIQ	25.1390, 15.7260, 1.3420

Conversions

Conversions Part 2

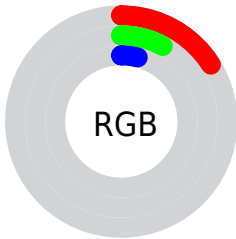
Format	Color
R_{YB}	41, 25, 10
Decimal	2692106
CIE Lab	9.00, 9.56, 9.48
CIE LCh	9, 13.461, 44.767
Yxy	1.0010, 0.4631, 0.3776
Android (android.graphics.Color)	4280882186 (0xFF29140A)
YUV	25.1390, -7.4635, 13.9101
Hunter-Lab	10.0051, 4.3944, 4.5022

Details

The CIELCh color **9, 13.461, 44.767** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **11, 10.249, 243.649**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **29, 13.213, 46.673**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **8, 14.871, 41.611**, and if you desaturate by 10%, it is **10, 11.971, 48.011**.

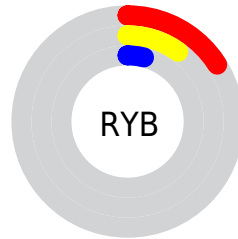
Distribution



Red (16%)

Green (8%)

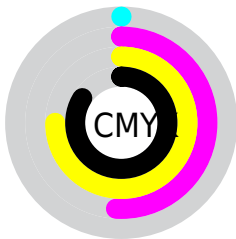
Blue (4%)



Red (16%)

Yellow (10%)

Blue (4%)

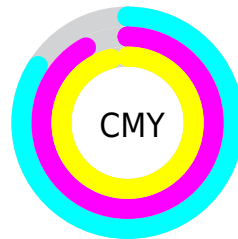


Cyan (0%)

Magenta (51%)

Yellow (75%)

Black (84%)



Cyan (84%)

Magenta (92%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 13.461, 44.767 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 9, 13.461, 44.767 by changing the saturation by 10% instead.



9, 13.461, 44.767



9, 13.461, 44.767



99, 13.461, 44.767



0, 13.461, 44.767



29, 13.461, 44.767



39, 13.461, 44.767



49, 13.461, 44.767



59, 13.461, 44.767



69, 13.461, 44.767



79, 13.461, 44.767



89, 13.461, 44.767



9, 13.461, 44.767



9, 13.461, 44.767

■ 8, 14.871, 41.611

■ 10, 11.971, 48.011

■ 7, 16.247, 39.545

■ 11, 10.269, 50.478

■ 7, 16.867, 39.032

■ 12, 8.303, 51.696

■ 13, 6.271, 52.142

■ 14, 4.354, 52.633

■ 15, 2.546, 53.149

■ 16, 0.839, 53.591

■ 17, 0.776, 234.603

■ 18, 2.305, 235.072

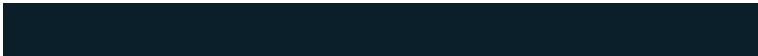
Harmonies

Complementary

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



9, 13.461, 44.767



11, 10.249, 243.649

Rectangle

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



9, 13.461, 44.767



9, 13.461, 94.767



9, 13.461, 224.767



9, 13.461, 274.767

Sweetspot

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



9, 13.461, 44.772



19, 4.971, 52.668



7, 20.263, 340.005



8, 3.370, 51.052



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



9, 13.461, 44.772



11, 21.375, 45.013



14, 16.385, 94.654



6, 0.733, 52.813



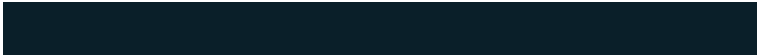
19, 37.647, 47.822



50, 81.521, 48.130

Inverse Universe

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



11, 10.249, 243.649



14, 14.350, 248.788



5, 18.553, 289.235



6, 0.735, 235.379



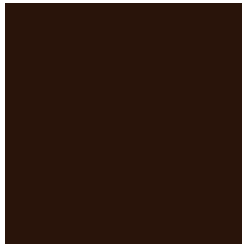
22, 21.708, 255.269



57, 44.228, 260.338

Previews

White Background



This preview shows how the CIELCh color 9, 13.461, 44.767 looks on a white background.

Color Contrast Check

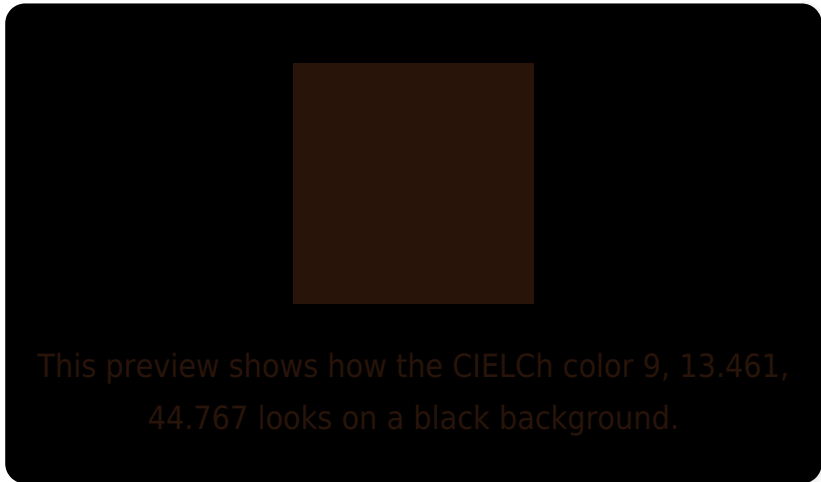
Large Text (above 18pt) WCAG AA ✓ Pass

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

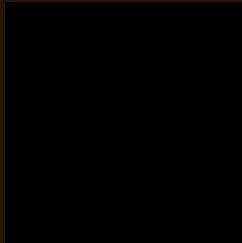
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 13.461, 44.767

Background



This preview shows how black text looks on a background with the CIELCh color 9, 13.461, 44.767.



This preview shows how white text looks on a background with the CIELCh color 9, 13.461, 44.767.

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

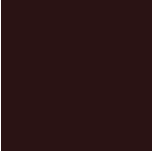
9, 13.461, 44.767

Protanopia

9, 8.870, 98.093

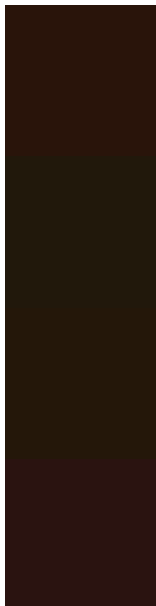
Deuteranopia

9, 10.344, 82.471



Tritanopia
9, 12.746, 20.022

Trichromacy



Original Color
9, 13.461, 44.767

Protanomaly
9, 9.284, 75.466

Deuteranomaly
9, 10.931, 65.530

Tritanomaly
9, 13.229, 30.140

Monochromacy



Original Color
9, 13.461, 44.767

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 4.881, 45.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 13.461, 44.767 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(41, 20, 10)` looks like.

```
.text, #text, p{  
    color:rgb(41, 20, 10)  
}
```

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(41, 20, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 20, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 13.461, 44.767 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(41, 20, 10) }
```

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

```
.border{ border-color:rgb(41, 20, 10) }
```

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

Here you see how a box with a 4 pixel rgb(41, 20, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 20, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 20, 10);  
box-shadow:4px 4px 4px 4px rgb(41, 20, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 9, 13.461, 44.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 20, 10) }
```

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

```
.background{ background-color: rgb(41, 20,  
10) }
```

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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