

Converting Colors

CIELCh(9, 10.230, 63.773)

Have a look what the booklet for
CIELCh(9, 10.230, 63.773) contains.

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Color

CIELCh(9, 10.334, 62.622)

Conversions

Conversions Part 1

Format	Color
Hex	24170B
RGB	36, 23, 11
RGB Percent	14%, 9%, 4%
CMY	0.8595, 0.9105, 0.9581
CMYK	0.00, 0.36, 0.70, 0.86
HSL	29°, 54%, 9%
HSV	29°, 70%, 14%
XYZ	1.0830, 1.0010, 0.4433
YIQ	25.5190, 11.6000, -0.9760

Conversions

Conversions Part 2

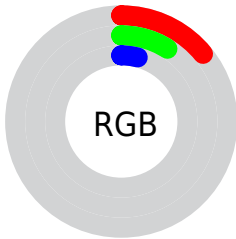
Format	Color
RYB	36, 34, 11
Decimal	2365195
CIELab	9.00, 4.75, 9.18
CIELCh	9, 10.334, 62.622
Yxy	1.0010, 0.4285, 0.3961
Android (android.graphics.Color)	4280555275 (0xFF24170B)
YUV	25.5190, -7.1579, 9.1918
Hunter-Lab	10.0051, 1.8119, 4.3766

Details

The CIELCh color **9, 10.334, 62.622** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **8, 10.165, 264.312**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **29, 10.187, 63.515**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **8, 11.229, 59.459**, and if you desaturate by 10%, it is **10, 9.316, 65.617**.

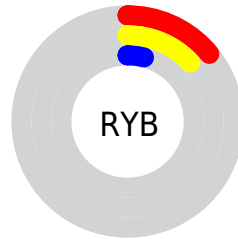
Distribution



Red (14%)

Green (9%)

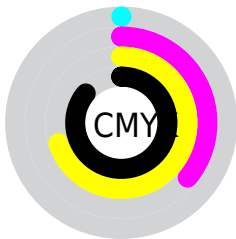
Blue (4%)



Red (14%)

Yellow (13%)

Blue (4%)

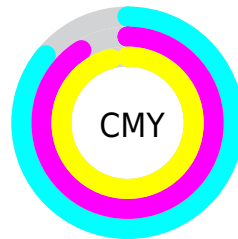


Cyan (0%)

Magenta (36%)

Yellow (70%)

Black (86%)



Cyan (86%)

Magenta (91%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 10.334, 62.622 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, 10.334, 62.622 by changing the saturation by 10% instead.



9, 10.334, 62.622



9, 10.334, 62.622



99, 10.334, 62.622



0, 10.334, 62.622



29, 10.334, 62.622



39, 10.334, 62.622



49, 10.334, 62.622



59, 10.334, 62.622



69, 10.334, 62.622



79, 10.334, 62.622



89, 10.334, 62.622



9, 10.334, 62.622



9, 10.334, 62.622

■ 8, 11.229, 59.459

■ 10, 9.316, 65.617

■ 8, 12.142, 56.892

■ 10, 8.068, 68.024

■ 7, 13.024, 55.381

■ 11, 6.553, 69.726

■ 12, 4.837, 70.703

■ 13, 3.172, 71.623

■ 13, 1.569, 72.510

■ 14, 0.024, 68.538

■ 15, 1.468, 254.478

■ 16, 2.911, 255.318

Harmonies

Complementary

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



9, 10.334, 62.622



8, 10.165, 264.312

Rectangle

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



9, 10.334, 62.622



9, 10.334, 112.622



9, 10.334, 242.622



9, 10.334, 292.622

Sweetspot

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



9, 10.334, 62.628



17, 4.096, 71.421



6, 14.939, 348.077



7, 2.208, 70.156



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



9, 10.334, 62.628



11, 16.252, 61.454



13, 15.516, 104.578



5, 0.606, 72.288



21, 34.822, 60.903



55, 74.082, 58.843

Inverse Universe

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



8, 10.165, 264.312



9, 14.822, 268.881



4, 16.731, 291.653



5, 0.617, 254.719



17, 28.122, 277.891



46, 60.530, 282.723

Previews

White Background



This preview shows how the CIELCh color 9, 10.334, 62.622 looks on a white background.

Color Contrast Check

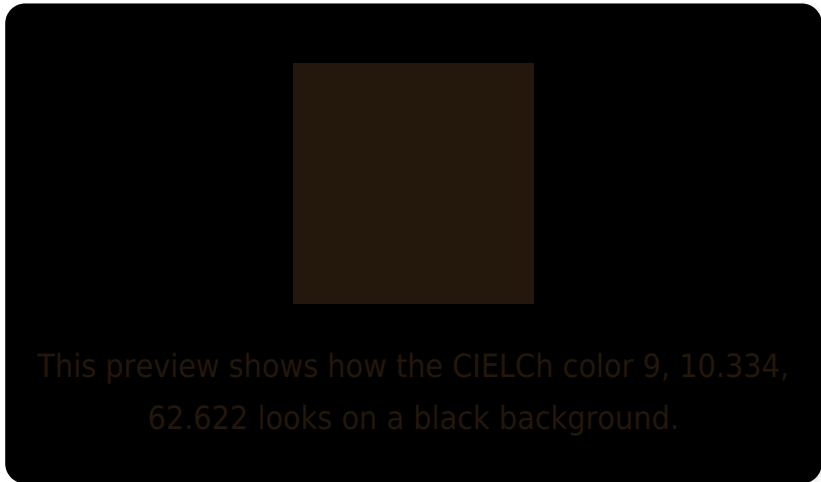
Large Text (above 18pt) WCAG AA ✓ Pass

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

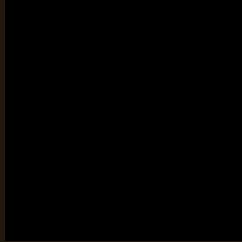
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 10.334, 62.622

Background



This preview shows how black text looks on a background with the CIELCh color 9, 10.334, 62.622.



This preview shows how white text looks on a background with the CIELCh color 9, 10.334, 62.622.

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, 10.334, 62.622

Protanopia

9, 8.870, 98.093

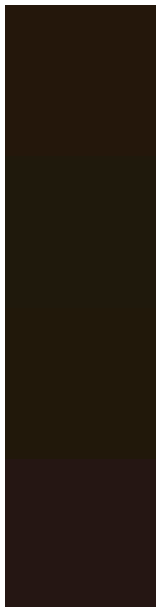
Deuteranopia

9, 9.708, 84.647



Tritanopia
9, 8.766, 12.800

Trichromacy



Original Color
9, 10.334, 62.622

Protanomaly
9, 8.677, 86.029

Deuteranomaly
9, 9.634, 76.757

Tritanomaly
9, 8.697, 34.875

Monochromacy



Original Color
9, 10.334, 62.622

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 3.934, 65.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 10.334, 62.622 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(36, 23, 11)` looks like.

```
.text, #text, p{  
    color:rgb(36, 23, 11)  
}
```

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(36, 23, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 23, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 10.334, 62.622 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(36, 23, 11) }
```

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

```
.border{ border-color:rgb(36, 23, 11) }
```

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

Here you see how a box with a 4 pixel rgb(36, 23, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 23, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 23, 11);  
box-shadow:4px 4px 4px 4px rgb(36, 23, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 9, 10.334, 62.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 23, 11) }
```

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

```
.background{ background-color: rgb(36, 23,  
11) }
```

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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