

Converting Colors

CIELCh(24, 13.663, 136.703)

Have a look what the booklet for
CIELCh(24, 13.663, 136.703)
contains.

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Color

CIELCh(24, 13.569, 136.863)

Conversions

Conversions Part 1

Format	Color
Hex	2F3D2B
RGB	47, 61, 43
RGB Percent	18%, 24%, 17%
CMY	0.8161, 0.7612, 0.8318
CMYK	0.23, 0.00, 0.30, 0.76
HSL	107°, 17%, 20%
HSV	107°, 30%, 24%
XYZ	3.2635, 4.1002, 2.8942
YIQ	54.7620, -2.5660, -8.5660

Conversions

Conversions Part 2

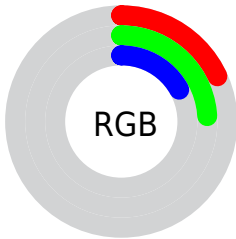
Format	Color
RYB	43, 61, 57
Decimal	3095851
CIELab	24.00, -9.90, 9.28
CIElCh	24, 13.569, 136.863
Yxy	4.1002, 0.3181, 0.3997
Android (android.graphics.Color)	4281285931 (0xFF2F3D2B)
YUV	54.7620, -5.7987, -6.8073
Hunter-Lab	20.2490, -6.6669, 5.7000

Details

The CIELCh color **24, 13.569, 136.863** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 13.752, 319.264**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 13.549, 136.489**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 18.127, 136.339**, and if you desaturate by 10%, it is **25, 8.968, 137.349**.

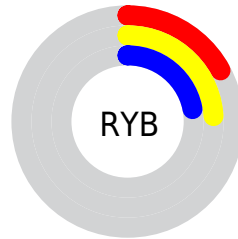
Distribution



Red (18%)

Green (24%)

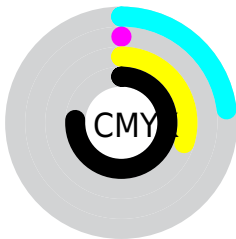
Blue (17%)



Red (17%)

Yellow (24%)

Blue (22%)

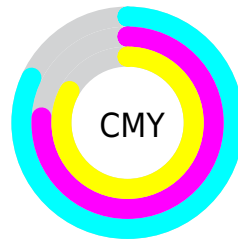


Cyan (23%)

Magenta (0%)

Yellow (30%)

Black (76%)



Cyan (82%)


Magenta (76%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 13.569, 136.863 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 24, 13.569, 136.863 by changing the saturation by 10% instead.

 24, 13.569,
136.863


 24, 13.569,
136.863

 100, 13.569,
136.863


 14, 13.569,
136.863


 44, 13.569,
136.863


 4, 13.569, 136.863

 54, 13.569,
136.863

 0, 13.569, 136.863

 64, 13.569,
136.863

 74, 13.569,
136.863

 84, 13.569,
136.863

 94, 13.569,

136.863

■ 24, 13.569,
136.863

■ 24, 13.569,
136.863

■ 24, 18.127,
136.339

■ 25, 8.968, 137.349

■ 25, 4.365, 137.794

■ 23, 22.584,
135.784

■ 26, 0.206, 317.737

■ 23, 26.864,
135.222

■ 26, 4.721, 318.487

■ 22, 30.870,
134.691

■ 27, 9.163, 318.798

■ 28, 13.520,
319.065

■ 22, 34.477,
134.255

■ 29, 17.784,
319.298

■ 22, 37.513,
134.103

■ 22, 40.403,
133.809

■ 29, 21.951,
319.499

■ 22, 40.529,
133.792

■ 30, 26.020,
319.674

Harmonies

Complementary

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



24, 13.569, 136.863



20, 13.752, 319.264

Rectangle

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



24, 13.569, 136.863



24, 13.569, 186.863



24, 13.569, 316.863



24, 13.569, 6.863

Sweetspot

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



24, 13.570, 136.864



33, 5.110, 137.801



24, 9.327, 95.264



16, 3.585, 137.772



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 13.570, 136.864



31, 19.958, 136.499



24, 12.040, 151.015



11, 2.545, 137.843



34, 56.095, 133.647



78, 105.640, 134.495

Inverse Universe

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



20, 13.752, 319.264



25, 20.284, 319.529



20, 12.132, 334.725



10, 2.559, 318.439



17, 56.971, 320.423



44, 106.408, 319.845

Previews

White Background



This preview shows how the CIELCh color 24, 13.569, 136.863 looks on a white background.

Color Contrast Check

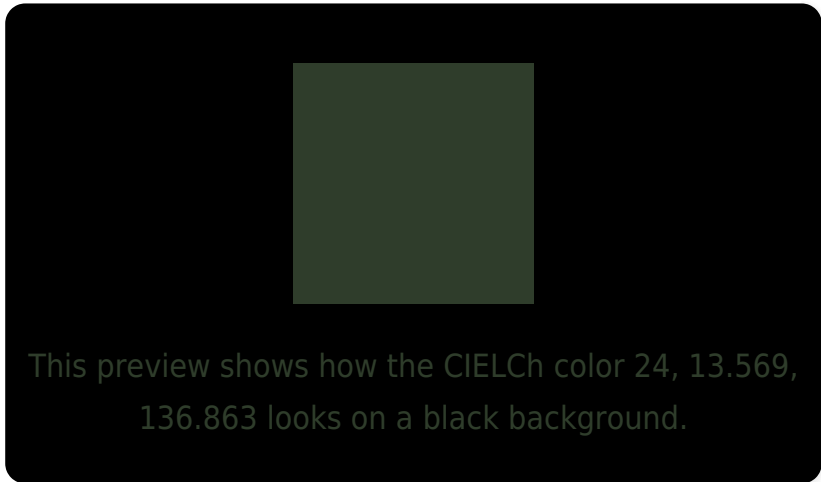
Large Text (above 18pt) WCAG AA ✓ Pass

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

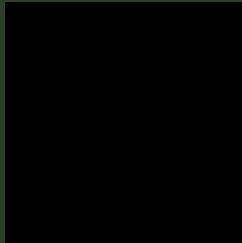
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 13.569, 136.863

Background



This preview shows how black text looks on a background with the CIELCh color 24, 13.569, 136.863.

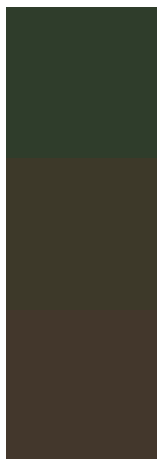


This preview shows how white text looks on a background with the CIELCh color 24, 13.569, 136.863.

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

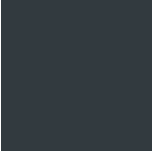
24, 13.569, 136.863

Protanopia

24, 10.709, 97.089

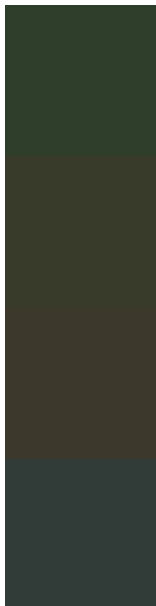
Deuteranopia

24, 9.494, 69.374



Tritanopia
24, 4.693, 244.166

Trichromacy



Original Color

24, 13.569, 136.863

Protanomaly

24, 10.546, 113.236

Deuteranomaly

24, 8.687, 98.503

Tritanomaly

24, 4.914, 174.633

Monochromacy



Original Color

24, 13.569, 136.863

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 4.629, 139.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 13.569, 136.863 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(47, 61, 43)` looks like.

```
.text, #text, p{  
    color:rgb(47, 61, 43)  
}
```

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(47, 61, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 61, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 13.569, 136.863 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(47, 61, 43) }
```

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

```
.border{ border-color:rgb(47, 61, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 61, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 61, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 61, 43);  
box-shadow:4px 4px 4px 4px rgb(47, 61, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 13.569, 136.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 61, 43) }
```

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

```
.background{ background-color: rgb(47, 61,  
43) }
```

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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