

Converting Colors

CIELCh(31, 17.624, 263.975)

Have a look what the booklet for
CIELCh(31, 17.624, 263.975)
contains.

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Color

CIELCh(31, 17.663, 264.024)

Conversions

Conversions Part 1

Format	Color
Hex	324B64
RGB	50, 75, 100
RGB Percent	20%, 29%, 39%
CMY	0.8034, 0.7054, 0.6074
CMYK	0.50, 0.25, 0.00, 0.61
HSL	210°, 33%, 29%
HSV	210°, 50%, 39%
XYZ	6.1514, 6.6515, 13.0473
YIQ	70.3750, -22.9250, 2.4750

Conversions

Conversions Part 2

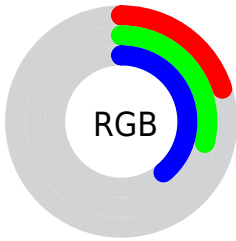
Format	Color
R_{YB}	50, 67, 100
Decimal	3296100
CIE _{Lab}	31.00, -1.84, -17.57
CIE _{LCh}	31, 17.663, 264.024
Yxy	6.6515, 0.2380, 0.2573
Android (android.graphics.Color)	4281486180 (0xFF324B64)
YUV	70.3750, 14.6051, -17.8689
Hunter-Lab	25.7905, -2.5583, -11.9412

Details

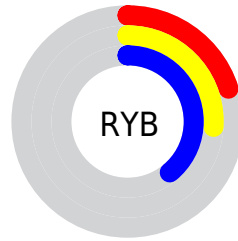
The CIELCh color **31, 17.663, 264.024** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **34, 20.217, 69.588**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 17.600, 262.972**, and **11, 17.680, 265.353** is the 20% darker color. If you saturate the color by 10%, you get **29, 21.025, 266.730**, and if you desaturate by 10%, it is **33, 14.236, 261.712**.

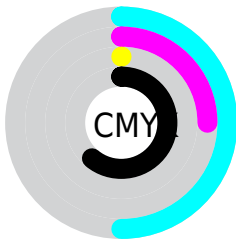
Distribution



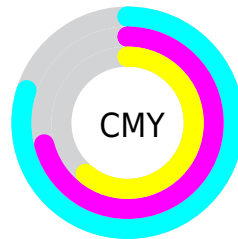
- Red (20%)
- Green (29%)
- Blue (39%)



- Red (20%)
- Yellow (26%)
- Blue (39%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (61%)



- Cyan (80%)
- Magenta (71%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 17.663, 264.024 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 31, 17.663, 264.024 by changing the saturation by 10% instead.

■ 31, 17.663,
264.024

■ 31, 17.663,
264.024

■ 100, 17.663,
264.024

■ 21, 17.663,
264.024

■ 51, 17.663,
264.024

■ 11, 17.663,
264.024

■ 61, 17.663,
264.024

■ 1, 17.663, 264.024

■ 71, 17.663,
264.024

■ 0, 17.663, 264.024

■ 81, 17.663,
264.024

■ 91, 17.663,
264.024

■ 31, 17.663,
264.024

■ 31, 17.663,
264.024

■ 29, 21.025,
266.730

■ 33, 14.236,
261.712

■ 27, 24.336,
269.866

■ 35, 10.745,
259.750

■ 25, 27.621,
273.434

■ 38, 7.198, 258.090

■ 23, 30.923,
277.387

■ 40, 3.606, 256.699

■ 21, 34.350,
281.155

■ 42, 0.018, 63.200

■ 21, 34.372,
281.176

■ 45, 3.662, 74.318

■ 47, 7.314, 73.446

■ 49, 10.965, 72.671

■ 52, 14.607, 71.988

Harmonies

Complementary

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



31, 17.663, 264.024



34, 20.217, 69.588

Rectangle

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



31, 17.663, 264.024



31, 17.663, 314.024



31, 17.663, 84.024



31, 17.663, 134.024

Sweetspot

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



31, 17.662, 264.024



50, 6.729, 257.431



38, 25.074, 158.831



25, 4.624, 257.645



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



31, 17.662, 264.024



38, 26.055, 267.265



23, 33.204, 296.818



20, 2.069, 256.576



24, 38.434, 281.979



52, 70.678, 284.908

Inverse Universe

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



28, 26.421, 348.545



34, 38.564, 350.285



41, 29.251, 105.732



20, 2.978, 344.300



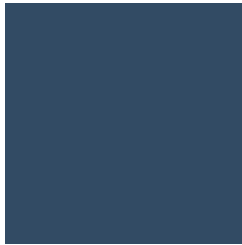
23, 47.191, 0.063



52, 81.417, 2.822

Previews

White Background



This preview shows how the CIELCh color 31, 17.663, 264.024 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 31, 17.663, 264.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

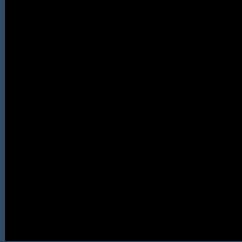
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

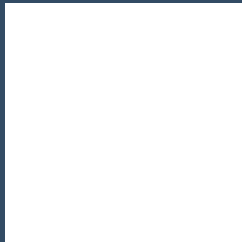
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 17.663, 264.024

Background



This preview shows how black text looks on a background with the CIELCh color 31, 17.663, 264.024.



This preview shows how white text looks on a background with the CIELCh color 31, 17.663, 264.024.

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

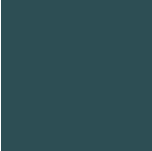
31, 17.663, 264.024

Protanopia

31, 16.681, 284.200

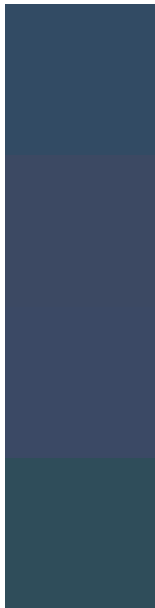
Deuteranopia

31, 18.592, 284.499



Tritanopia
31, 12.596, 215.601

Trichromacy



Original Color

31, 17.663, 264.024

Protanomaly

31, 17.023, 277.144

Deuteranomaly

31, 18.301, 277.611

Tritanomaly

31, 13.259, 237.173

Monochromacy



Original Color

31, 17.663, 264.024

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 6.726, 258.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 17.663, 264.024 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(50, 75, 100)` looks like.

```
.text, #text, p{  
    color:rgb(50, 75, 100)  
}
```

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(50, 75, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 75, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 17.663, 264.024 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(50, 75, 100) }
```

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

```
.border{ border-color:rgb(50, 75, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 75, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 75, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 75, 100);  
box-shadow:4px 4px 4px 4px rgb(50, 75,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 17.663, 264.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 75, 100) }
```

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

```
.background{ background-color: rgb(50, 75,  
100) }
```

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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