

Converting Colors

CIELCh(45, 65.597, 289.352)

Have a look what the booklet for
CIELCh(45, 65.597, 289.352)
contains.

CIELCh(45, 65.413, 289.217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 65.413, 289.217)

Conversions

Conversions Part 1

Format	Color
Hex	2F65D3
RGB	47, 101, 211
RGB Percent	18%, 40%, 83%
CMY	0.8175, 0.6049, 0.1737
CMYK	0.78, 0.52, 0.00, 0.17
HSL	220°, 65%, 50%
HSV	220°, 78%, 83%
XYZ	17.5025, 14.5417, 63.3221
YIQ	97.3940, -67.4940, 22.7620

Conversions

Conversions Part 2

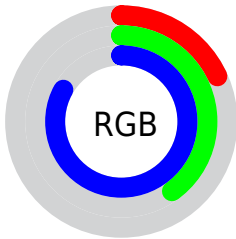
Format	Color
R _Y B	47, 88, 211
Decimal	3106259
CIE Lab	45.00, 21.53, -61.77
CIE LCh	45, 65.413, 289.217
Yxy	14.5417, 0.1835, 0.1525
Android (android.graphics.Color)	4281296339 (0xFF2F65D3)
YUV	97.3940, 56.0078, -44.1955
Hunter-Lab	38.1336, 15.1937, -71.7595

Details

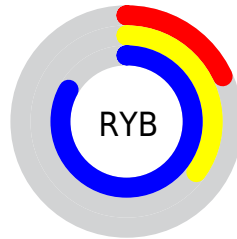
The CIELCh color **45, 65.413, 289.217** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **68, 62.260, 80.430**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 58.045, 287.321**, and **27, 64.201, 294.828** is the 20% darker color. If you saturate the color by 10%, you get **41, 74.688, 292.833**, and if you desaturate by 10%, it is **50, 56.346, 285.799**.

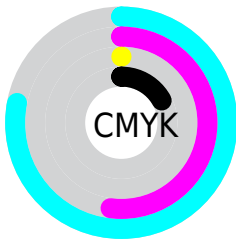
Distribution



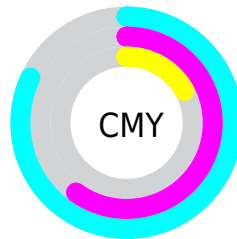
- Red (18%)
- Green (40%)
- Blue (83%)



- Red (18%)
- Yellow (35%)
- Blue (83%)



- Cyan (78%)
- Magenta (52%)
- Yellow (0%)
- Black (17%)





- Cyan (82%)
- Magenta (60%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 65.413, 289.217 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 45, 65.413, 289.217 by changing the saturation by 10% instead.


 45, 65.413,
289.217


 45, 65.413,
289.217


 100, 65.413,
289.217


 35, 65.413,
289.217

 65, 65.413,
289.217


 25, 65.413,
289.217

 75, 65.413,
289.217

 15, 65.413,
289.217

 85, 65.413,
289.217

 5, 65.413, 289.217

 95, 65.413,
289.217

 0, 65.413, 289.217

 45, 65.413,

 45, 65.413,

289.217

289.217

■ 41, 74.688,
292.833

■ 50, 56.346,
285.799

■ 37, 83.989,
296.410

■ 55, 47.529,
282.702

■ 36, 85.916,
297.095

■ 60, 38.939,
279.977

■ 65, 30.537,
277.623

■ 70, 22.294,
275.606

■ 75, 14.192,
273.887

■ 80, 6.221, 272.432

■ 86, 1.621, 90.970

Harmonies

Complementary

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



45, 65.413, 289.217



68, 62.260, 80.430

Rectangle

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



45, 65.413, 289.217



45, 65.413, 339.217



45, 65.413, 109.217



45, 65.413, 159.217

Sweetspot

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



45, 65.413, 289.218



86, 21.369, 274.771



76, 55.755, 163.714



44, 14.834, 275.421



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 65.413, 289.218



47, 92.828, 295.050



34, 97.468, 305.582



41, 4.440, 272.633



28, 71.492, 296.520



4, 19.764, 283.270

Inverse Universe

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



48, 66.012, 8.305



55, 84.410, 15.692



80, 77.271, 112.152



41, 4.887, 354.729



35, 63.278, 17.908



4, 20.619, 4.002

Previews

White Background



This preview shows how the CIE LCh color 45, 65.413, 289.217 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 × Fail

Black Background



This preview shows how the CIE LCh color 45, 65.413, 289.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

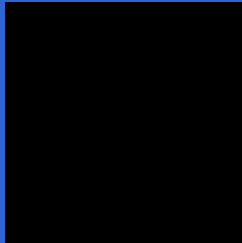
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

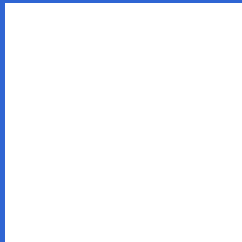
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 65.413, 289.217

Background



This preview shows how black text looks on a background with the CIELCh color 45, 65.413, 289.217.



This preview shows how white text looks on a background with the CIELCh color 45, 65.413, 289.217.

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

45, 65.413, 289.217

Protanopia

45, 65.600, 287.547

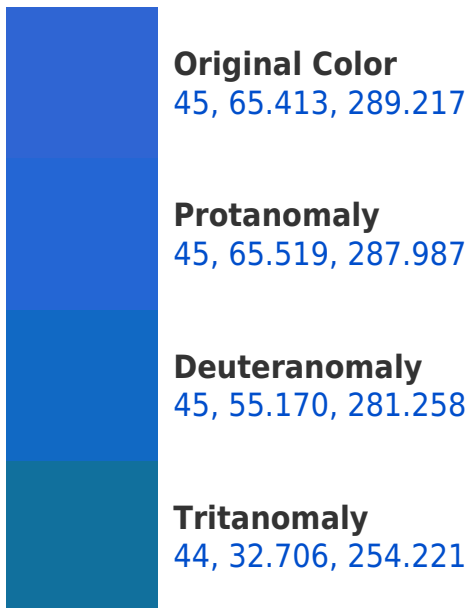
Deuteranopia

45, 49.404, 275.794



Tritanopia
45, 27.448, 206.762

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 65.413, 289.217 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, 101, 211)` looks like.

```
.text, #text, p{  
    color:rgb(47, 101, 211)  
}
```

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, 101, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 101, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 65.413, 289.217 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, 101, 211) }
```

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

```
.border{ border-color:rgb(47, 101, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 101, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 101, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 101, 211);  
box-shadow:4px 4px 4px 4px rgb(47, 101,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 65.413, 289.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 101, 211) }
```

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

```
.background{ background-color: rgb(47, 101,  
211) }
```

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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