

Converting Colors

CIELCh(45, 19.817, 262.599)

Have a look what the booklet for
CIELCh(45, 19.817, 262.599)
contains.

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Color

CIELCh(45, 19.937, 263.521)

Conversions

Conversions Part 1

Format	Color
Hex	506D8B
RGB	80, 109, 139
RGB Percent	31%, 43%, 55%
CMY	0.6858, 0.5721, 0.4544
CMYK	0.42, 0.22, 0.00, 0.45
HSL	211°, 27%, 43%
HSV	211°, 42%, 55%
XYZ	13.4697, 14.5417, 26.5713
YIQ	103.7490, -26.9140, 3.1820

Conversions

Conversions Part 2

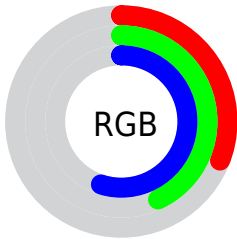
Format	Color
R_{YB}	80, 99, 139
Decimal	5270923
CIE _{Lab}	45.00, -2.25, -19.81
CIE _{LCh}	45, 19.937, 263.521
Yxy	14.5417, 0.2468, 0.2664
Android (android.graphics.Color)	4283461003 (0xFF506D8B)
YUV	103.7490, 17.3787, -20.8279
Hunter-Lab	38.1336, -3.6833, -14.6195

Details

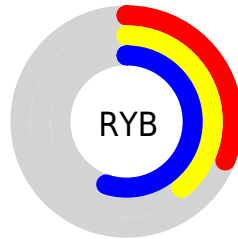
The CIELCh color **45, 19.937, 263.521** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **49, 22.279, 71.158**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 20.226, 264.792**, and **25, 19.918, 262.789** is the 20% darker color. If you saturate the color by 10%, you get **42, 24.460, 266.079**, and if you desaturate by 10%, it is **48, 15.335, 261.353**.

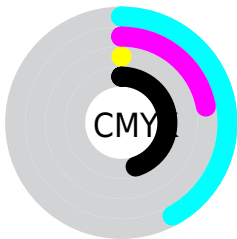
Distribution



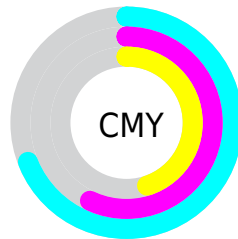
- Red (31%)
- Green (43%)
- Blue (55%)



- Red (31%)
- Yellow (39%)
- Blue (55%)



- Cyan (42%)
- Magenta (22%)
- Yellow (0%)
- Black (45%)





- Cyan (69%)
- Magenta (57%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 19.937, 263.521 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, 19.937, 263.521 by changing the saturation by 10% instead.


 45, 19.937,
263.521


 45, 19.937,
263.521


 100, 19.937,
263.521


 35, 19.937,
263.521

 65, 19.937,
263.521


 25, 19.937,
263.521

 75, 19.937,
263.521

 15, 19.937,
263.521


 85, 19.937,
263.521

 5, 19.937, 263.521

 95, 19.937,
263.521

 0, 19.937, 263.521

 45, 19.937,

 45, 19.937,

263.521

■ 42, 24.460,
266.079

■ 39, 28.913,
269.075

■ 36, 33.324,
272.531

■ 34, 37.739,
276.424

■ 31, 42.224,
280.658

■ 30, 45.746,
283.778

263.521

■ 48, 15.335,
261.353

■ 51, 10.662,
259.525

■ 54, 5.932, 257.991

■ 57, 1.159, 256.863

■ 60, 3.639, 75.420

■ 63, 8.446, 74.493

■ 66, 13.250, 73.665

■ 70, 18.039, 72.938

■ 73, 22.803, 72.298

Harmonies

Complementary

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



45, 19.937, 263.521



49, 22.279, 71.158

Rectangle

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



45, 19.937, 263.521



45, 19.937, 313.521



45, 19.937, 83.521



45, 19.937, 133.521

Sweetspot

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



45, 19.936, 263.520



69, 7.703, 258.114



53, 28.149, 159.563



35, 5.427, 258.403



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 19.936, 263.520



55, 29.519, 265.995



37, 36.505, 295.747



27, 2.679, 257.554



28, 43.982, 283.555



1, 1.248, 256.347

Inverse Universe

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



42, 29.401, 348.281



50, 43.420, 349.623



57, 32.796, 106.240



27, 3.811, 344.807



28, 52.196, 1.507



0, 1.749, 344.109

Previews

White Background



This preview shows how the CIE LCh color 45, 19.937, 263.521 looks on a white background.

Color Contrast Check

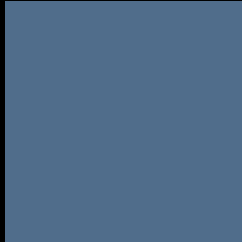
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 19.937, 263.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

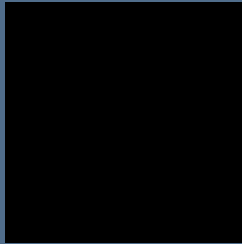
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

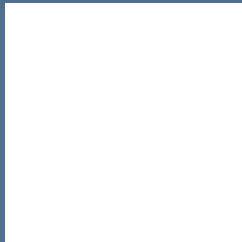
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 19.937, 263.521

Background



This preview shows how black text looks on a background with the CIELCh color 45, 19.937, 263.521.

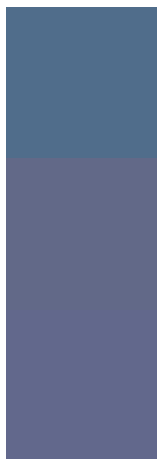


This preview shows how white text looks on a background with the CIELCh color 45, 19.937, 263.521.

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, 19.937, 263.521

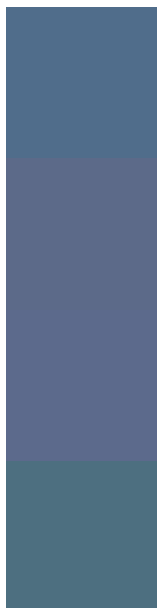
Protanopia
45, 18.609, 285.018

Deuteranopia
45, 21.555, 287.544



Tritanopia
45, 14.018, 220.790

Trichromacy



Original Color
45, 19.937, 263.521

Protanomaly
45, 18.975, 277.780

Deuteranomaly
45, 20.685, 279.460

Tritanomaly
45, 15.223, 240.540

Monochromacy



Original Color
45, 19.937, 263.521

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 7.719, 257.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 19.937, 263.521 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(80, 109, 139)` looks like.

```
.text, #text, p{  
    color:rgb(80, 109, 139)  
}
```

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(80, 109, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 109, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 19.937, 263.521 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(80, 109, 139) }
```

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

```
.border{ border-color:rgb(80, 109, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 109, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 109, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 109, 139);  
box-shadow:4px 4px 4px 4px rgb(80, 109,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 19.937, 263.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 109, 139) }
```

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

```
.background{ background-color: rgb(80, 109,  
139) }
```

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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