

Converting Colors

CIELCh(44, 19.456, 254.981)

Have a look what the booklet for
CIELCh(44, 19.456, 254.981)
contains.

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Color

CIELCh(44, 19.556, 254.999)

Conversions

Conversions Part 1

Format	Color
Hex	486C87
RGB	72, 108, 135
RGB Percent	28%, 42%, 53%
CMY	0.7178, 0.5767, 0.4708
CMYK	0.47, 0.20, 0.00, 0.47
HSL	206°, 30%, 41%
HSV	206°, 47%, 53%
XYZ	12.3955, 13.8382, 24.9203
YIQ	100.3140, -30.1230, 0.7650

Conversions

Conversions Part 2

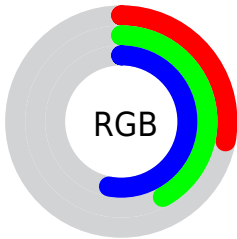
Format	Color
R_{YB}	72, 95, 135
Decimal	4746375
CIE _{Lab}	44.00, -5.06, -18.89
CIE _{LCh}	44, 19.556, 254.999
Y _{xy}	13.8382, 0.2423, 0.2705
Android (android.graphics.Color)	4282936455 (0xFF486C87)
YUV	100.3140, 17.1002, -24.8314
Hunter-Lab	37.1997, -5.6206, -13.6788

Details

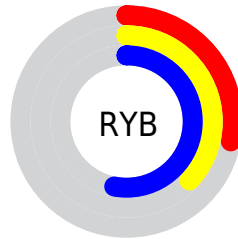
The CIELCh color $44, 19.556, 254.999$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $45, 23.697, 62.452$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 19.470, 255.462$, and $24, 19.369, 254.125$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.298, 257.671$, and if you desaturate by 10%, it is $47, 15.631, 252.767$.

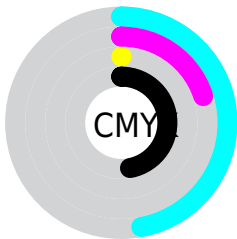
Distribution



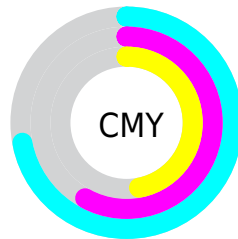
- Red (28%)
- Green (42%)
- Blue (53%)



- Red (28%)
- Yellow (37%)
- Blue (53%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (47%)




- Cyan (72%)
- Magenta (58%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 19.556, 254.999 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 44, 19.556, 254.999 by changing the saturation by 10% instead.


 44, 19.556,
254.999


 44, 19.556,
254.999


 100, 19.556,
254.999


 34, 19.556,
254.999

 64, 19.556,
254.999


 24, 19.556,
254.999

 74, 19.556,
254.999


 14, 19.556,
254.999


 84, 19.556,
254.999

 4, 19.556, 254.999

 94, 19.556,
254.999

 0, 19.556, 254.999

 44, 19.556,

 44, 19.556,

254.999

■ 42, 23.298,
257.671

■ 39, 26.862,
260.844

■ 37, 30.273,
264.549

■ 35, 33.590,
268.764

■ 33, 36.914,
273.304

■ 32, 38.061,
274.717

254.999

■ 47, 15.631,
252.767

■ 49, 11.541,
250.915

■ 52, 7.308, 249.384

■ 54, 2.961, 248.156

■ 57, 1.475, 66.752

■ 60, 5.976, 66.000

■ 63, 10.520, 65.247

■ 65, 15.089, 64.592

■ 68, 19.669, 64.024

Harmonies

Complementary

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



44, 19.556, 254.999



45, 23.697, 62.452

Rectangle

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



44, 19.556, 254.999



44, 19.556, 304.999



44, 19.556, 74.999



44, 19.556, 124.999

Sweetspot

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



44, 19.555, 254.998



67, 7.638, 249.064



51, 32.196, 155.019



35, 5.303, 249.320



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



44, 19.555, 254.998



54, 28.555, 257.839



35, 35.984, 293.272



27, 2.456, 248.421



31, 36.945, 274.524



0, 0.594, 247.318

Inverse Universe

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



39, 32.931, 344.193



47, 48.139, 345.518



53, 32.538, 101.877



26, 3.900, 340.631



27, 52.667, 354.305



0, 0.925, 339.989

Previews

White Background



This preview shows how the CIE LCh color 44, 19.556, 254.999 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 44, 19.556, 254.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

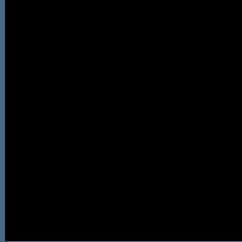
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

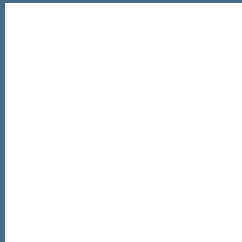
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 19.556, 254.999

Background



This preview shows how black text looks on a background with the CIELCh color 44, 19.556, 254.999.

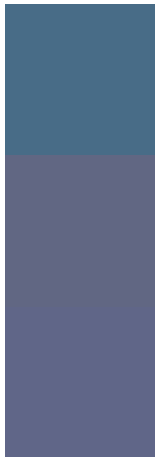


This preview shows how white text looks on a background with the CIELCh color 44, 19.556, 254.999.

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

44, 19.556, 254.999

Protanopia

44, 16.862, 285.114

Deuteranopia

44, 20.442, 287.074



Tritanopia
44, 15.954, 217.751

Trichromacy



Original Color
44, 19.556, 254.999

Protanomaly
44, 17.030, 271.822

Deuteranomaly
44, 19.835, 275.665

Tritanomaly
44, 16.273, 231.901

Monochromacy



Original Color
44, 19.556, 254.999

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 7.709, 250.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 19.556, 254.999 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(72, 108, 135)` looks like.

```
.text, #text, p{  
    color:rgb(72, 108, 135)  
}
```

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(72, 108, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 108, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 19.556, 254.999 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(72, 108, 135) }
```

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

```
.border{ border-color:rgb(72, 108, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 108, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 108, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 108, 135);  
box-shadow:4px 4px 4px 4px rgb(72, 108,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 19.556, 254.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 108, 135) }
```

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

```
.background{ background-color: rgb(72, 108,  
135) }
```

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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