

Converting Colors

CIELCh(45, 20.203, 156.376)

Have a look what the booklet for
CIELCh(45, 20.203, 156.376)
contains.

CIELCh(45, 20.621, 155.644)	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, 20.621, 155.644)

Conversions

Conversions Part 1

Format	Color
Hex	4D735C
RGB	77, 115, 92
RGB Percent	30%, 45%, 36%
CMY	0.6990, 0.5500, 0.6401
CMYK	0.33, 0.00, 0.20, 0.55
HSL	144°, 20%, 38%
HSV	144°, 33%, 45%
XYZ	11.0656, 14.5417, 12.2948
YIQ	101.0160, -15.2650, -15.2090

Conversions

Conversions Part 2

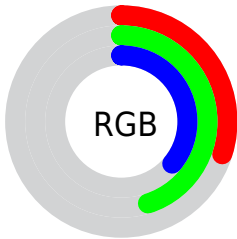
Format	Color
RYB	77, 104, 115
Decimal	5075804
CIELab	45.00, -18.79, 8.50
CIELCh	45, 20.621, 155.644
Yxy	14.5417, 0.2920, 0.3837
Android (android.graphics.Color)	4283265884 (0xFF4D735C)
YUV	101.0160, -4.4449, -21.0620
Hunter-Lab	38.1336, -14.9369, 7.5776

Details

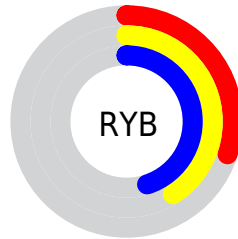
The CIELCh color $45, 20.621, 155.644$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 21.065, 340.979$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 20.663, 155.568$, and $25, 20.965, 155.263$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.633, 154.563$, and if you desaturate by 10%, it is $46, 14.445, 156.599$.

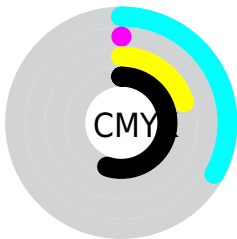
Distribution



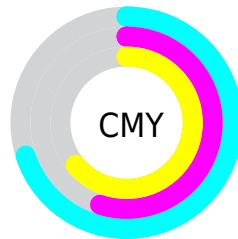
- Red (30%)
- Green (45%)
- Blue (36%)



- Red (30%)
- Yellow (41%)
- Blue (45%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (55%)





- Cyan (70%)
- Magenta (55%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 20.621, 155.644 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, 20.621, 155.644 by changing the saturation by 10% instead.


 45, 20.621,
155.644


 45, 20.621,
155.644


 100, 20.621,
155.644


 35, 20.621,
155.644

 65, 20.621,
155.644


 25, 20.621,
155.644

 75, 20.621,
155.644

 15, 20.621,
155.644

 85, 20.621,
155.644

 5, 20.621, 155.644

 95, 20.621,
155.644

 0, 20.621, 155.644

 45, 20.621,

 45, 20.621,

155.644

155.644

■ 44, 26.633,
154.563

■ 46, 14.445,
156.599

■ 44, 32.380,
153.336

■ 47, 8.189, 157.454

■ 43, 37.763,
151.943

■ 48, 1.930, 158.302

■ 49, 4.274, 338.790

■ 43, 42.689,
150.371

■ 50, 10.378,
339.433

■ 42, 47.085,
148.614

■ 52, 16.351,
339.995

■ 42, 50.921,
146.696

■ 53, 22.171,
340.506

■ 42, 53.395,
145.463

■ 55, 27.825,
340.976

■ 56, 33.309,

Harmonies

Complementary

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



45, 20.621, 155.644



38, 21.065, 340.979

Rectangle

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



45, 20.621, 155.644



45, 20.621, 205.644



45, 20.621, 335.644



45, 20.621, 25.644

Sweetspot

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



45, 20.622, 155.643



61, 7.795, 157.684



46, 23.066, 123.268



32, 5.361, 157.594



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 20.622, 155.643



57, 30.918, 154.795



46, 14.559, 187.260



24, 3.576, 157.782



45, 56.117, 145.298



87, 97.875, 144.011

Inverse Universe

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



38, 21.065, 340.979



46, 31.677, 341.730



37, 17.203, 13.162



23, 3.603, 338.994



26, 51.210, 351.292



55, 85.979, 353.089

Previews

White Background



This preview shows how the CIELCh color 45, 20.621, 155.644 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, 20.621, 155.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

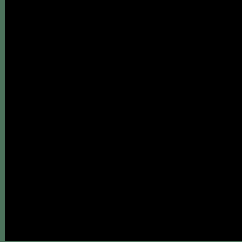
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 20.621, 155.644

Background



This preview shows how black text looks on a background with the CIELCh color 45, 20.621, 155.644.



This preview shows how white text looks on a background with the CIELCh color 45, 20.621, 155.644.

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, 20.621, 155.644

Protanopia

45, 11.579, 95.365

Deuteranopia

45, 9.599, 49.784



Tritanopia
45, 11.416, 226.644

Trichromacy



Original Color
45, 20.621, 155.644

Protanomaly
45, 12.630, 128.290

Deuteranomaly
45, 8.363, 114.855

Tritanomaly
45, 11.883, 192.257

Monochromacy



Original Color
45, 20.621, 155.644

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.539, 159.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 20.621, 155.644 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(77, 115, 92)` looks like.

```
.text, #text, p{  
    color:rgb(77, 115, 92)  
}
```

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(77, 115, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 115, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 20.621, 155.644 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(77, 115, 92) }
```

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

```
.border{ border-color:rgb(77, 115, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 115, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 115, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 115, 92);  
box-shadow:4px 4px 4px 4px rgb(77, 115,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 20.621, 155.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 115, 92) }
```

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

```
.background{ background-color: rgb(77, 115,  
92) }
```

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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