

Converting Colors

CIELCh(36, 23.374, 188.708)

Have a look what the booklet for
CIELCh(36, 23.374, 188.708)
contains.

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Color

CIELCh(36, 23.375, 188.743)

Conversions

Conversions Part 1

Format	Color
Hex	145F5A
RGB	20, 95, 90
RGB Percent	8%, 37%, 35%
CMY	0.9233, 0.6286, 0.6482
CMYK	0.79, 0.00, 0.05, 0.63
HSL	176°, 66%, 22%
HSV	176°, 79%, 37%
XYZ	6.1779, 9.0082, 11.0213
YIQ	72.0050, -43.0950, -17.4550

Conversions

Conversions Part 2

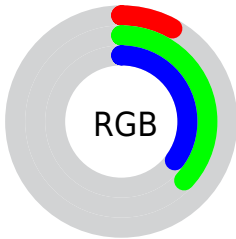
Format	Color
R_{YB}	20, 59, 95
Decimal	1335130
CIE Lab	36.00, -23.10, -3.55
CIE LCh	36, 23.375, 188.743
Yxy	9.0082, 0.2357, 0.3437
Android (android.graphics.Color)	4279525210 (0xFF145F5A)
YUV	72.0050, 8.8715, -45.6084
Hunter-Lab	30.0136, -15.7820, -0.7624

Details

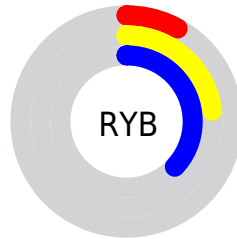
The CIELCh color **36, 23.375, 188.743** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 38.008, 27.325**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 23.346, 188.683**, and **17, 16.186, 188.718** is the 20% darker color. If you saturate the color by 10%, you get **36, 24.568, 188.035**, and if you desaturate by 10%, it is **36, 21.729, 189.417**.

Distribution



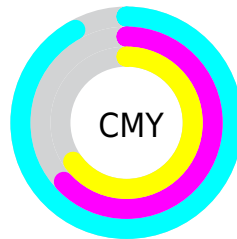
- Red (8%)
- Green (37%)
- Blue (35%)



- Red (8%)
- Yellow (23%)
- Blue (37%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (63%)





- Cyan (92%)
- Magenta (63%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 23.375, 188.743 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 36, 23.375, 188.743 by changing the saturation by 10% instead.


 36, 23.375,
188.743


 36, 23.375,
188.743

 100, 23.375,
188.743


 26, 23.375,
188.743

 56, 23.375,
188.743


 16, 23.375,
188.743


 66, 23.375,
188.743

 6, 23.375, 188.743

 76, 23.375,
188.743

 0, 23.375, 188.743

 86, 23.375,
188.743

 96, 23.375,
188.743

■ 36, 23.375,
188.743

■ 36, 23.375,
188.743

■ 36, 24.568,
188.035

■ 36, 21.729,
189.417

■ 36, 25.552,
187.334

■ 37, 19.632,
190.073

■ 36, 25.616,
187.291

■ 37, 17.108,
190.719

■ 37, 14.196,
191.364

■ 38, 10.947,
192.012

■ 39, 7.418, 192.672

■ 39, 3.665, 193.367

■ 40, 0.258, 12.711

Harmonies

Complementary

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



36, 23.375, 188.743



20, 38.008, 27.325

Rectangle

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



36, 23.375, 188.743



36, 23.375, 238.743



36, 23.375, 8.743



36, 23.375, 58.743

Sweetspot

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



36, 23.375, 188.742



49, 11.202, 192.316



35, 50.580, 136.834



24, 7.573, 192.161



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



36, 23.375, 188.742



46, 30.299, 187.407



25, 23.601, 265.027



20, 2.241, 193.401



42, 28.901, 187.115



86, 50.728, 186.567

Inverse Universe

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



20, 38.008, 27.325



25, 55.148, 34.240



27, 32.297, 59.883



18, 2.345, 14.447



22, 53.225, 34.449



50, 97.141, 37.984

Previews

White Background



This preview shows how the CIELCh color 36, 23.375, 188.743 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 CIELCh color 36, 23.375, 188.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

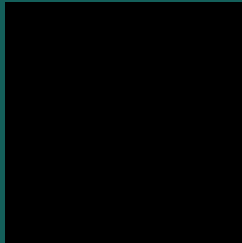
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 23.375, 188.743

Background



This preview shows how black text looks on a background with the CIELCh color 36, 23.375, 188.743.



This preview shows how white text looks on a background with the CIELCh color 36, 23.375, 188.743.

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

36, 23.375, 188.743

Protanopia

36, 1.054, 55.193

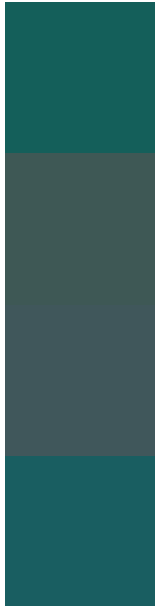
Deuteranopia

36, 6.906, 316.139



Tritanopia
36, 20.184, 211.455

Trichromacy



Original Color
36, 23.375, 188.743

Protanomaly
35, 10.569, 187.734

Deuteranomaly
35, 9.203, 214.099

Tritanomaly
36, 21.109, 201.922

Monochromacy



Original Color
36, 23.375, 188.743

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 10.852, 191.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 23.375, 188.743 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(20, 95, 90)` looks like.

```
.text, #text, p{  
    color:rgb(20, 95, 90)  
}
```

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(20, 95, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 95, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 23.375, 188.743 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(20, 95, 90) }
```

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

```
.border{ border-color:rgb(20, 95, 90) }
```

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

Here you see how a box with a 4 pixel rgb(20, 95, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 95, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 95, 90);  
box-shadow:4px 4px 4px 4px rgb(20, 95, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 23.375, 188.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 95, 90) }
```

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

```
.background{ background-color: rgb(20, 95,  
90) }
```

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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