

# Converting Colors

HunterLab(20.1680, -10.0510,  
-5.5019)

Have a look what the booklet for  
HunterLab(20.1680, -10.0510,  
-5.5019) contains.

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# Color

**HunterLab(20.3020, -9.4093,  
-5.0639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004047
RGB	0, 64, 71
RGB Percent	0%, 25%, 28%
CMY	1.0000, 0.7490, 0.7216
CMYK	1.00, 0.10, 0.00, 0.72
HSL	186°, 100%, 14%
HSV	186°, 100%, 28%
XYZ	2.9707, 4.1217, 6.6002
YIQ	45.6620, -40.3910, -11.3910

# Conversions

## Conversions Part 2

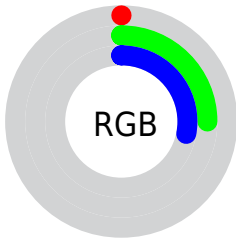
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 34, 71</a>
Decimal	<a href="#">16455</a>
CIELab	<a href="#">24.07, -15.22, -9.48</a>
CIELCh	<a href="#">24, 17.927, 211.921</a>
Yxy	<a href="#">4.1219, 0.2170, 0.3010</a>
Android (android.graphics.Color)	<a href="#">4278206535 (0xFF004047)</a>
YUV	<a href="#">45.6620, 12.4916, -40.0456</a>
Hunter-Lab	<a href="#">20.3020, -9.4093, -5.0639</a>

# Details

The HunterLab color **20.3020, -9.4093, -5.0639** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12.2133, 17.7165, 7.8354**, and the grayscale version is **16.3876, -0.8744, 0.8904**.

A 20% lighter version of the original color is **37.2571, -12.5588, -5.0361**, and **8.3465, -3.5710, -2.7236** is the 20% darker color. If you saturate the color by 10%, you get **20.3022, -9.4094, -5.0638**, and if you desaturate by 10%, it is **20.6086, -9.2193, -4.6129**.

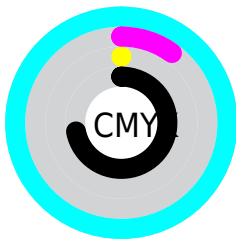
# Distribution



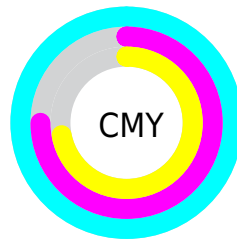
- Red (0%)
- Green (25%)
- Blue (28%)



- Red (0%)
- Yellow (13%)
- Blue (28%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (72%)



- Cyan (100%)
- Magenta (75%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.3020, -9.4093, -5.0639 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 HunterLab color 20.3020, -9.4093, -5.0639 by changing the saturation by 10% instead.



20.3020, -9.4093,  
-5.0639

20.3020, -9.4093,  
-5.0639

118.7354,  
-22.3019, -3.6730

13.1983, -7.7014,  
-4.8614

37.2651, -12.4942,  
-5.1997

6.7127, -10.2356,  
-5.5992

46.9476, -13.9493,  
-5.1527

0.0000, NaN, NaN

0.0000, NaN, NaN

57.3482, -15.3724,  
-5.0399

0.0000, NaN, NaN

68.4204, -16.7748,  
-4.8675

0.0000, NaN, NaN

80.1255, -18.1641,  
-4.6408


0.0000, NaN, NaN


0.0000, NaN, NaN


92.4311, -19.5458,


-4.3638


0.0000, NaN, NaN


 105.3092,  
-20.9241, -4.0403


 20.3020, -9.4093,  
-5.0639


 20.3020, -9.4093,  
-5.0639


 20.3022, -9.4094,  
-5.0638

 20.6086, -9.2193,  
-4.6129

 20.9206, -9.0091,  
-4.1611

 21.2743, -8.6421,  
-3.6560

 21.6754, -8.0985,  
-3.0918

 22.1253, -7.3780,  
-2.4704

■ 22.6243, -6.4842,  
-1.7949

■ 23.1724, -5.4237,  
-1.0691

■ 23.7689, -4.2055,  
-0.2975

■ 24.4126, -2.8399,  
0.5153

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.3024, -10.7301, 0.7600



20.3020, -9.4093, -5.0639



20.3024, -5.8899, -10.1148

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.3024, -9.4093, -5.0636



20.3024, 9.2716, -4.3075



20.3024, -1.4427, 8.8862

# Complementary

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



20.3020, -9.4093, -5.0639



12.2133, 17.7165, 7.8354

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.3024, 4.2144, 8.2033



20.3020, -9.4093, -5.0639



20.3024, 10.7852, 1.4442

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.3024, -9.4093, -5.0636



20.3024, 4.9036, -9.6018



20.3024, 8.8444, 5.7935



20.3024, -6.4499, 7.9976



# Rectangle

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



20.3020, -9.4093, -5.0639



20.3024, -2.5697, -11.8136



20.3024, 8.8444, 5.7935



20.3024, 0.4449, 8.8336

# Sweetspot

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



20.3024, -9.4093, -5.0636



30.0447, -7.2248, -1.5038



21.2592, -18.0116, 12.3103



15.1156, -3.7864, -0.8503



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963



# Same Dimension

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



20.3024, -9.4093, -5.0636



26.3011, -12.1122, -6.7273



11.6734, 3.9037, -23.0164



12.8738, -1.3859, 0.3319



28.5694, -13.1335, -7.3579



70.0021, -31.7569, -18.9425



# Inverse Universe

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



13.0762, 25.2225, -13.4946



16.9873, 32.7449, -17.3454



17.1890, 5.2900, 10.6840



12.3821, 0.6144, -0.1039



18.4668, 35.5896, -18.8002



45.5083, 87.5747, -45.3240



# Previews

## White Background



This preview shows how the HunterLab color 20.3020, -9.4093, -5.0639 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

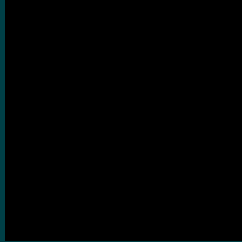
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

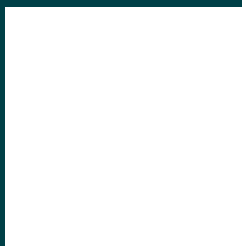
Any Text WCAG AAA × Fail

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

# HunterLab 20.3020, -9.4093, -5.0639 Background



This preview shows how black text looks on a background with the HunterLab color 20.3020, -9.4093, -5.0639.



This preview shows how white text looks on a background with the HunterLab color 20.3020, -9.4093, -5.0639.

-5.0639.

# 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

20.3020, -9.4093, -5.0639

### Protanopia

20.3969, -0.0122, -2.4141

### Deuteranopia

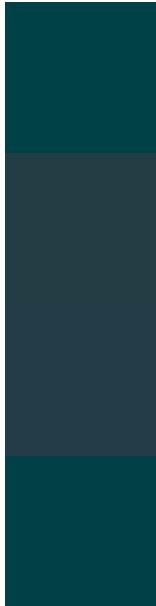
20.6108, 1.1420, -5.4122



## Tritanopia

20.2397, -9.7768, -4.1926

# Trichromacy



## Original Color

20.3020, -9.4093, -5.0639

## Protanomaly

20.0603, -4.9691, -3.8896

## Deuteranomaly

20.1858, -4.2592, -5.6439

## Tritanomaly

20.2706, -9.5943, -4.6253

# Monochromacy



## Original Color

20.3020, -9.4093, -5.0639

## Achromatopsia

16.5290, -0.8819, 0.8981

## Achromatomaly

17.5592, -5.6258, -1.4830

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.3020, -9.4093, -5.0639 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(0, 64, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 71)  
}
```

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(0, 64, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 71) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.3020, -9.4093, -5.0639 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(0, 64, 71) }
```



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

```
.border{ border-color:rgb(0, 64, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 64, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 64, 71); box-shadow:4px  
4px 4px 4px rgb(0, 64, 71) }
```

# Background

The CSS property to change the background color of an element to HunterLab 20.3020, -9.4093, -5.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 71) }
```

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

```
.background{ background-color: rgb(0, 64,  
71) }
```

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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