

# Converting Colors

HunterLab(52.1047, 60.1837,  
33.1603)

Have a look what the booklet for  
HunterLab(52.1047, 60.1837,  
33.1603) contains.

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# Color

**HunterLab(52.1007, 60.1952,  
33.1580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5100
RGB	255, 81, 0
RGB Percent	100%, 32%, 0%
CMY	0.0000, 0.6823, 1.0000
CMYK	0.00, 0.68, 1.00, 0.00
HSL	19°, 100%, 50%
HSV	19°, 100%, 100%
XYZ	44.1824, 27.1448, 2.9108
YIQ	123.7920, 129.7050, 11.6970

# Conversions

## Conversions Part 2

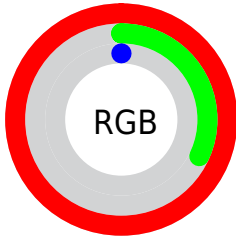
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 119, 0
Decimal	16732416
CIE <sub>Lab</sub>	59.11, 63.58, 69.69
CIE <sub>LCh</sub>	59, 94.336, 47.628
Yxy	27.1465, 0.5951, 0.3657
Android (android.graphics.Color)	4294922496 (0xFFFF5100)
YUV	123.7920, -61.0295, 115.0694
Hunter-Lab	52.1007, 60.1952, 33.1580

# Details

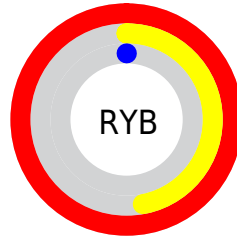
The HunterLab color **52.1007, 60.1952, 33.1580** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **61.2284, -10.4064, -54.0654**, and the grayscale version is **45.0111, -2.4017, 2.4455**.

A 20% lighter version of the original color is **63.3300, 34.1224, 34.9390**, and **32.8920, 56.3285, 21.2540** is the 20% darker color. If you saturate the color by 10%, you get **52.1017, 60.1914, 33.1586**, and if you desaturate by 10%, it is **54.9042, 52.9062, 33.7336**.

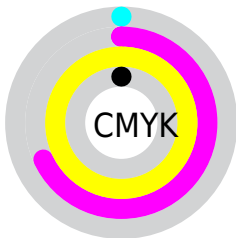
# Distribution



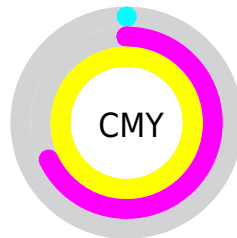
- Red (100%)
- Green (32%)
- Blue (0%)



- Red (100%)
- Yellow (47%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 52.1007, 60.1952, 33.1580 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 52.1007, 60.1952, 33.1580 by changing the saturation by 10% instead.



52.1007, 60.1952,  
33.1580

52.1007, 60.1952,  
33.1580

169.8133, 75.2445,  
71.6568

42.0514, 58.0536,  
27.9563

74.2420, 64.1939,  
42.8584

32.7457, 55.8628,  
22.9220

86.2535, 66.0475,  
47.3986

24.2503, 53.6972,  
16.9752

98.8509, 67.8031,  
51.7648

16.6515, 51.7679,  
11.6560

112.0080, 69.4639,  
55.9789

10.0710, 50.7230,  
7.0497

125.7021, 71.0341,  
60.0600


0.0000, INF, NaN

0.0000, INF, NaN


139.9128, 72.5181,


64.0244

0.0000, NaN, NaN


 154.6220, 73.9203,  
67.8860


0.0000, NaN, NaN


 52.1007, 60.1952,  
33.1580

 52.1007, 60.1952,  
33.1580


 52.1017, 60.1914,  
33.1586

 54.9042, 52.9062,  
33.7336

 58.2631, 45.2828,  
33.5064

 62.1458, 37.6676,  
32.3420

 66.5030, 30.2831,  
30.3009

 71.2834, 23.2641,  
27.4875

76.4382, 16.6769,  
24.0152

81.9234, 10.5409,  
19.9899

87.7003, 4.8457,  
15.5028

93.7356, -0.4352,  
10.6297

# Harmonies

## Analogous

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



52.1023, 93.2053, 20.5473



52.1007, 60.1952, 33.1580



52.1023, 14.8279, 35.6945

# Triad

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



52.1023, 60.1899, 33.1587



52.1023, -58.8164, 16.2549



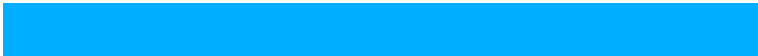
52.1023, 22.7444, -127.1113

# Complementary

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



52.1007, 60.1952, 33.1580



61.2284, -10.4064, -54.0654

# 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.



52.1023, -18.3265, -132.1715



52.1007, 60.1952, 33.1580



52.1023, -57.8686, -24.6972

# Square

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



52.1023, 60.1899, 33.1587



52.1023, -48.4633, 32.0344



52.1023, -45.3023, -85.9403



52.1023, 67.4767, -75.0039



# Rectangle

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



52.1007, 60.1952, 33.1580



52.1023, -12.6489, 35.8023



52.1023, -45.3023, -85.9403



52.1023, 7.8768, -135.2850

# Sweetspot

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



52.1023, 60.1899, 33.1587



81.9226, 10.5421, 19.9909



49.3211, 90.6791, -16.3137



36.8138, 6.0488, 10.0622

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



52.1023, 60.1899, 33.1587



52.1020, 60.1917, 33.1587



81.5436, -2.9186, 50.1956



43.5072, -0.3172, 4.8025



37.9741, 42.6198, 24.1456



12.6130, 11.2236, 7.9686

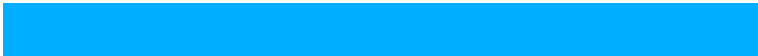


# Inverse Universe

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



61.2284, -10.4064, -54.0654



61.2281, -10.4057, -54.0668



30.3865, 58.7683, -164.8436



44.1033, -4.1684, -0.1196



44.5752, -8.0087, -38.4267



14.5997, -3.5371, -10.6126



# Previews

## White Background



This preview shows how the HunterLab color 52.1007, 60.1952, 33.1580 looks on a white 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



# Black Background



This preview shows how the HunterLab color 52.1007, 60.1952, 33.1580 looks on a black 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

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

## HunterLab 52.1007, 60.1952, 33.1580 Background



This preview shows how black text looks on a background with the HunterLab color 52.1007, 60.1952, 33.1580.



This preview shows how white text looks on a background with the HunterLab color 52.1007, 60.1952, 33.1580.

33.1580.

# 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

52.1007, 60.1952, 33.1580

### Protanopia

52.2505, -6.9950, 30.8974

### Deuteranopia

51.9916, 3.3822, 32.0962



## Tritanopia

52.1170, 64.2179, 24.3825

# Trichromacy



## Original Color

52.1007, 60.1952, 33.1580

## Protanomaly

50.0755, 16.8945, 30.5241

## Deuteranomaly

50.5241, 24.1532, 31.5556

## Tritanomaly

51.9199, 62.4204, 29.3756

# Monochromacy



## Original Color

52.1007, 60.1952, 33.1580

## Achromatopsia

44.8950, -2.3955, 2.4392

## Achromatomaly

44.7887, 16.4204, 18.0940

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 52.1007, 60.1952, 33.1580 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(255, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 0)  
}
```

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(255, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 52.1007, 60.1952, 33.1580 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(255, 81, 0) }
```



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

```
.border{ border-color:rgb(255, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 81, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 52.1007, 60.1952, 33.1580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 0) }
```

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

```
.background{ background-color: rgb(255, 81,  
0) }
```

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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