

# Converting Colors

HunterLab(31.9264, 54.8376,  
19.3689)

Have a look what the booklet for  
HunterLab(31.9264, 54.8376,  
19.3689) contains.

<b>HunterLab(32.0013, 54.9611, 19.4551)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(32.0013, 54.9611,  
19.4551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B80014
RGB	184, 0, 20
RGB Percent	72%, 0%, 8%
CMY	0.2784, 0.9999, 0.9216
CMYK	0.00, 1.00, 0.89, 0.28
HSL	353°, 100%, 36%
HSV	353°, 100%, 72%
XYZ	19.8934, 10.2408, 1.5900
YIQ	57.2960, 103.2440, 45.2280

# Conversions

## Conversions Part 2

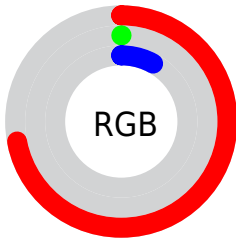
Format	Color
<a href="#">RYB</a>	184, 0, 20
Decimal	12058644
CIELab	38.27, 62.93, 44.69
CIElCh	38, 77.186, 35.377
Yxy	10.2415, 0.6271, 0.3228
Android (android.graphics.Color)	4290248724 (0xFFB80014)
YUV	57.2960, -18.3869, 111.1194
Hunter-Lab	32.0013, 54.9611, 19.4551

# Details

The HunterLab color **32.0013, 54.9611, 19.4551** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **60.7967, -36.3863, 2.5589**, and the grayscale version is **20.3710, -1.0869, 1.1068**.

A 20% lighter version of the original color is **51.2084, 58.9064, 26.7953**, and **20.1617, 34.5276, 13.0280** is the 20% darker color. If you saturate the color by 10%, you get **32.0010, 54.9602, 19.4575**, and if you desaturate by 10%, it is **32.8130, 53.0894, 18.0741**.

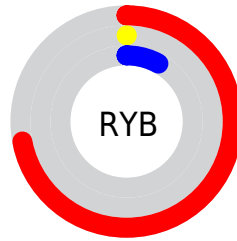
# Distribution



Red (72%)

Green (0%)

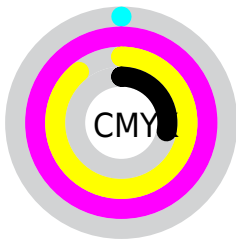
Blue (8%)



Red (72%)

Yellow (0%)

Blue (8%)

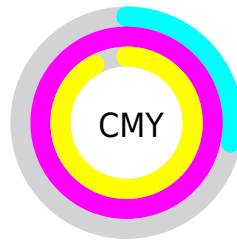


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (28%)



Cyan (28%)

Magenta (100%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 32.0013, 54.9611, 19.4551 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 32.0013, 54.9611, 19.4551 by changing the saturation by 10% instead.



■ 32.0013, 54.9611,  
19.4551

■ 32.0013, 54.9611,  
19.4551

■ 138.7037, 71.5119,  
47.6583

■ 23.5783, 52.8058,  
15.7913

■ 51.2335, 59.2636,  
26.7369

■ 16.0594, 50.9062,  
11.2416

■ 61.9214, 61.3041,  
30.0730

■ 9.5715, 49.9564,  
6.7001

■ 73.2639, 63.2468,  
33.2558

0.0000, INF, NaN

0.0000, INF, NaN

■ 85.2250, 65.0893,  
36.3131

0.0000, NaN, NaN

■ 97.7744, 66.8333,  
39.2664


0.0000, NaN, NaN


■ 110.8856, 68.4822,


0.0000, NaN, NaN


42.1330


0.0000, NaN, NaN


 124.5355, 70.0403,  
44.9266


 32.0013, 54.9611,  
19.4551


 32.0013, 54.9611,  
19.4551


 32.0010, 54.9602,  
19.4575

 32.8130, 53.0894,  
18.0741

 34.2904, 49.6285,  
16.2151

 36.5748, 44.4612,  
14.1334

 39.6291, 38.1005,  
12.0366

 43.3704, 31.0939,  
10.0793

■ 47.7009, 23.8633,  
8.3452

■ 52.5272, 16.6710,  
6.8608

■ 57.7684, 9.6515,  
5.6185

■ 63.3582, 2.8571,  
4.5946

# Harmonies

## Analogous

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



32.0023, 71.2991, 6.1720



32.0013, 54.9611, 19.4551



32.0023, 23.9020, 22.4016

# Triad

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



32.0023, 54.9569, 19.4557



32.0023, -37.3766, 16.5608



32.0023, 3.4843, -102.4014

# Complementary

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



32.0013, 54.9611, 19.4551



60.7967, -36.3863, 2.5589

# 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.



32.0023, -21.1640, -88.2954



32.0013, 54.9611, 19.4551



32.0023, -39.5640, -3.4287

# Square

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



32.0023, 54.9569, 19.4557



32.0023, -27.2590, 22.0062



32.0023, -34.7979, -44.2422



32.0023, 35.7279, -74.2643



# Rectangle

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



32.0013, 54.9611, 19.4551



32.0023, 2.7386, 22.4016



32.0023, -34.7979, -44.2422



32.0023, -5.9268, -102.5960

# Sweetspot

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



32.0023, 54.9569, 19.4557



70.3698, 22.9449, 9.3331



33.4650, 67.6451, -58.5360



31.3826, 12.5266, 4.7059



96.5975, -5.1542, 5.2483



43.2801, -2.3093, 2.3515



# Same Dimension

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



32.0023, 54.9569, 19.4557



43.0668, 73.9265, 26.4851



38.2626, 35.6367, 24.1996



30.0460, 1.1439, 2.1382



26.5767, 45.6643, 16.0035



5.0424, 8.7675, 2.2326



# Inverse Universe

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



32.0023, 54.9569, 19.4557



43.0668, 73.9265, 26.4851



39.2152, -2.1211, -44.4337



30.0460, 1.1439, 2.1382



26.5767, 45.6643, 16.0035



5.0424, 8.7675, 2.2326



# Previews

## White Background



This preview shows how the HunterLab color 32.0013, 54.9611, 19.4551 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 HunterLab color 32.0013, 54.9611, 19.4551 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](#).

## HunterLab 32.0013, 54.9611, 19.4551 Background



This preview shows how black text looks on a background with the HunterLab color 32.0013, 54.9611, 19.4551.



This preview shows how white text looks on a background with the HunterLab color 32.0013, 54.9611, 19.4551.



# 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

32.0013, 54.9611, 19.4551

### Protanopia

33.0138, -4.0211, 17.2751

### Deuteranopia

32.8045, 1.4991, 20.2402



## Tritanopia

32.3546, 52.2237, 20.8510

# Trichromacy



## Original Color

32.0013, 54.9611, 19.4551

## Protanomaly

28.6500, 21.3322, 15.4855

## Deuteranomaly

29.1657, 25.0770, 18.0022

## Tritanomaly

32.1278, 53.1530, 20.3566

# Monochromacy



## Original Color

32.0013, 54.9611, 19.4551

## Achromatopsia

20.2275, -1.0793, 1.0990

## Achromatomaly

20.8018, 20.9092, 6.3923

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 32.0013, 54.9611, 19.4551 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(184, 0, 20)` looks like.

```
.text, #text, p{  
  color:rgb(184, 0, 20)  
}
```

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(184, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 20) }
```

## Border

The CSS property to change the border of an element to HunterLab 32.0013, 54.9611, 19.4551 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(184, 0, 20) }
```



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

```
.border{ border-color:rgb(184, 0, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 0, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 20)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 32.0013, 54.9611, 19.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 20) }
```

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

```
.background{ background-color: rgb(184, 0,  
20) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**