

# Converting Colors

HunterLab(40.4533, 54.2356,  
25.8766)

Have a look what the booklet for  
HunterLab(40.4533, 54.2356,  
25.8766) contains.

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# Color

**HunterLab(40.4533, 54.2356,  
25.8766)**

# Conversions

| Conversions Part 1 |                            |
|--------------------|----------------------------|
| Format             | Color                      |
| Hex                | D43300                     |
| RGB                | 212, 51, 0                 |
| RGB Percent        | 83%, 20%, 0%               |
| CMY                | 0.1686, 0.7999, 1.0000     |
| CMYK               | 0.00, 0.76, 1.00, 0.17     |
| HSL                | 14°, 100%, 42%             |
| HSV                | 14°, 100%, 83%             |
| XYZ                | 28.3352, 16.3647, 1.6653   |
| YIQ                | 93.3250, 112.3270, 18.2710 |

# Conversions

## Conversions Part 2

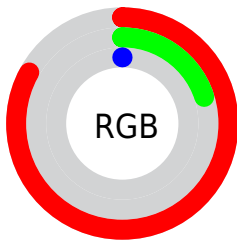
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">212, 67, 0</a>                  |
| Decimal                             | <a href="#">13906688</a>                    |
| CIELab                              | <a href="#">47.45, 60.52, 59.75</a>         |
| CIELCh                              | <a href="#">47, 85.047, 44.633</a>          |
| Yxy                                 | <a href="#">16.3657, 0.6111, 0.3530</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4292096768</a><br>(0xFFD43300)  |
| YUV                                 | <a href="#">93.3250, -46.0092, 104.0780</a> |
| Hunter-Lab                          | <a href="#">40.4533, 54.2356, 25.8766</a>   |

# Details

The HunterLab color **40.4533, 54.2356, 25.8766** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **54.9903, -16.2946, -33.5575**, and the grayscale version is **33.3439, -1.7791, 1.8116**.

A 20% lighter version of the original color is **57.1903, 48.3421, 32.0737**, and **25.0916, 42.9702, 16.2136** is the 20% darker color. If you saturate the color by 10%, you get **40.4543, 54.2317, 25.8772**, and if you desaturate by 10%, it is **42.5199, 48.6017, 26.0483**.

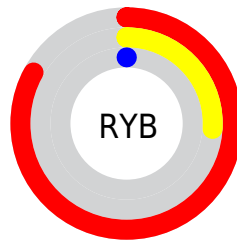
# Distribution



Red (83%)

Green (20%)

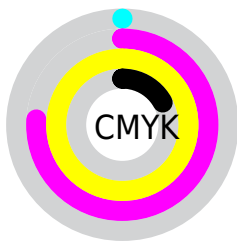
Blue (0%)



Red (83%)

Yellow (26%)

Blue (0%)

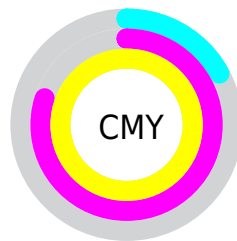


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (80%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.4533, 54.2356, 25.8766 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 40.4533, 54.2356, 25.8766 by changing the saturation by 10% instead.



|  |  |
|--|--|
|  40.4533, 54.2356,<br>25.8766 |  40.4533, 54.2356,<br>25.8766 |
|--|--|

|   |  |
|---|--|
|  152.1480, 69.4145,<br>60.9315 |  31.2783, 52.0978,<br>21.2561 |
|---|--|


|  |  |
|--|--|
|  61.0180, 58.2813,<br>34.8377 |  22.9249, 49.9788,<br>16.0474 |
|--|--|

|  |  |
|--|--|
|  72.3080, 60.1598,<br>38.9902 |  15.4853, 48.0868,<br>10.8397 |
|--|--|

|  |  |
|--|--|
|  84.2196, 61.9365,<br>42.9643 |  9.0820, 47.1771,<br>6.3574 |
|--|--|

|  |                  |
|--|------------------|
|  96.7216, 63.6136,<br>46.7860 | 0.0000, INF, NaN |
|--|------------------|


0.0000, INF, NaN


|   |                  |
|---|------------------|
|  109.7876, 65.1954,<br>50.4768 | 0.0000, NaN, NaN |
|---|------------------|


|  |                  |
|--|------------------|
|  123.3940, 66.6864, | 0.0000, NaN, NaN |
|--|------------------|


54.0550

0.0000, NaN, NaN

 137.5203, 68.0912,  
57.5357


 40.4533, 54.2356,  
25.8766


 40.4533, 54.2356,  
25.8766

 40.4543, 54.2317,  
25.8772

 42.5199, 48.6017,  
26.0483

 45.1506, 42.3004,  
25.6358

 48.3166, 35.7218,  
24.5183

 51.9658, 29.1471,  
22.7726

 56.0417, 22.7624,  
20.5045

60.4904, 16.6721,  
17.8178

65.2634, 10.9212,  
14.8017

70.3188, 5.5161,  
11.5274

75.6211, 0.4412,  
8.0492

# Harmonies

## Analogous

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



40.4545, 80.3015, 14.7649



40.4533, 54.2356, 25.8766



40.4545, 16.2443, 28.3182

# Triad

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



40.4545, 54.2311, 25.8772



40.4545, -47.2384, 15.2464



40.4545, 15.3182, -112.1765

# Complementary

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



40.4533, 54.2356, 25.8766



54.9903, -16.2946, -33.5575

# 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.



40.4545, -17.7691, -111.5566



40.4533, 54.2356, 25.8766



40.4545, -47.3424, -16.4044

# Square

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



40.4545, 54.2311, 25.8772



40.4545, -38.0328, 25.9892



40.4545, -38.3863, -68.2174



40.4545, 53.3669, -69.5442



# Rectangle

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



40.4533, 54.2356, 25.8766



40.4545, -7.2032, 28.3182



40.4545, -38.3863, -68.2174



40.4545, 3.1415, -117.7018

# Sweetspot

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



40.4545, 54.2311, 25.8772



80.2402, 13.6788, 18.3659



40.7733, 76.2695, -23.6086



35.9445, 7.7040, 9.2477

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



40.4545, 54.2311, 25.8772



49.6345, 67.5209, 31.7666



61.3150, 6.0908, 37.8886



35.9182, 0.0759, 3.7110



31.9915, 41.9853, 20.4480



8.6468, 8.0763, 5.4695

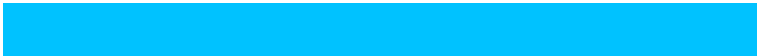


# Inverse Universe

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



54.9903, -16.2946, -33.5575



67.5608, -19.7819, -41.7416



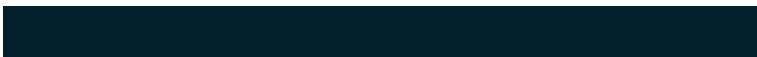
27.6296, 37.7265, -115.9749



36.8482, -3.7999, 0.2132



43.3945, -13.0686, -26.0279



11.2260, -3.9975, -5.4020



# Previews

## White Background



This preview shows how the HunterLab color 40.4533, 54.2356, 25.8766 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 40.4533, 54.2356, 25.8766 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 40.4533, 54.2356, 25.8766 Background



This preview shows how black text looks on a background with the HunterLab color 40.4533, 54.2356, 25.8766.



This preview shows how white text looks on a background with the HunterLab color 40.4533, 54.2356,



# 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

40.4533, 54.2356, 25.8766

### Protanopia

40.8583, -5.5562, 23.7448

### Deuteranopia

40.6998, 1.9749, 25.1136



## Tritanopia

40.5978, 56.6891, 21.7650

# Trichromacy



## Original Color

40.4533, 54.2356, 25.8766

## Protanomaly

38.5882, 16.3481, 23.3109

## Deuteranomaly

38.9117, 21.6168, 24.3557

## Tritanomaly

40.5484, 55.7616, 24.0664

# Monochromacy



## Original Color

40.4533, 54.2356, 25.8766

## Achromatopsia

33.0850, -1.7653, 1.7976

## Achromatomaly

33.1644, 15.5226, 13.3103

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.4533, 54.2356, 25.8766 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(212, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 51, 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(212, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 51, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.4533, 54.2356, 25.8766 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(212, 51, 0) }
```



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

```
.border{ border-color:rgb(212, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 51, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 40.4533, 54.2356, 25.8766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 51, 0) }
```

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

```
.background{ background-color: rgb(212, 51,  
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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