

# Converting Colors

HunterLab(12.3555, 24.6204,  
7.9992)

Have a look what the booklet for  
HunterLab(12.3555, 24.6204,  
7.9992) contains.

<b>HunterLab(13.0594, 22.3646, 8.4387)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	22
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**HunterLab(13.0594, 22.3646,  
8.4387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	500000
RGB	80, 0, 0
RGB Percent	31%, 0%, 0%
CMY	0.6863, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.69
HSL	0°, 100%, 16%
HSV	0°, 100%, 31%
XYZ	3.3083, 1.7055, 0.1548
YIQ	23.9200, 47.6800, 16.9600

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 0, 0
Decimal	5242880
CIE <sub>Lab</sub>	13.86, 34.55, 21.68
CIE <sub>LCh</sub>	14, 40.787, 32.111
Yxy	1.7056, 0.6401, 0.3300
Android (android.graphics.Color)	4283432960 (0xFF500000)
YUV	23.9200, -11.7926, 49.1822
Hunter-Lab	13.0594, 22.3646, 8.4387

# Details

The HunterLab color **13.0594, 22.3646, 8.4387** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **25.1309, -13.3221, -2.6529**, and the grayscale version is **9.5582, -0.5100, 0.5193**.

A 20% lighter version of the original color is **28.1111, 25.5927, 12.0978**, and **3.7208, 6.3721, 2.4043** is the 20% darker color. If you saturate the color by 10%, you get **13.0598, 22.3629, 8.4389**, and if you desaturate by 10%, it is **13.7723, 20.4700, 7.8558**.

# Distribution



Red (31%)

Green (0%)

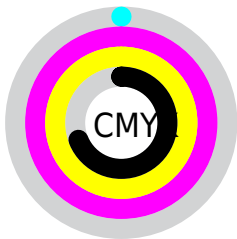
Blue (0%)



Red (31%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (69%)



Cyan (69%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 13.0594, 22.3646, 8.4387 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 13.0594, 22.3646, 8.4387 by changing the saturation by 10% instead.



■ 13.0594, 22.3646,  
8.4387

■ 13.0594, 22.3646,  
8.4387

■ 105.0320, 32.5818,  
24.8976

■ 6.5366, 24.5750,  
4.5756

■ 28.1796, 25.4561,  
12.1186

0.0000, INF, NaN

0.0000, NaN, NaN

■ 37.0692, 26.8165,  
14.1530

0.0000, NaN, NaN

■ 46.7360, 28.0462,  
16.0799

0.0000, NaN, NaN

■ 57.1220, 29.1551,  
17.9302

0.0000, NaN, NaN

0.0000, NaN, NaN


■ 68.1803, 30.1539,  
19.7244


0.0000, NaN, NaN


■ 79.8725, 31.0524,


0.0000, NaN, NaN


21.4771


 92.1658, 31.8592,  
23.1989


 13.0594, 22.3646,  
8.4387


 13.0594, 22.3646,  
8.4387


 13.0598, 22.3629,  
8.4389

 13.7723, 20.4700,  
7.8558

 14.5382, 18.6010,  
7.2848

 15.5719, 16.3064,  
6.5906

 16.8611, 13.7450,  
5.8252

 18.3751, 11.0733,  
5.0391

■ 20.0822, 8.3989,  
4.2659

■ 21.9533, 5.7836,  
3.5244

■ 23.9636, 3.2564,  
2.8224

■ 26.0924, 0.8257,  
2.1612

# Harmonies

## Analogous

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



13.0598, 27.7236, 1.4277



13.0594, 22.3646, 8.4387



13.0598, 10.6886, 9.1419

# Triad

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



13.0598, 22.3629, 8.4389



13.0598, -14.9506, 7.6129



13.0598, 0.0875, -39.3525

# Complementary

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



13.0594, 22.3646, 8.4387



25.1309, -13.3221, -2.6529

# 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.



13.0598, -9.1625, -32.2975



13.0594, 22.3646, 8.4387



13.0598, -16.5219, -0.0490

# Square

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



13.0598, 22.3629, 8.4389



13.0598, -10.1146, 9.1419



13.0598, -14.4493, -15.0565



13.0598, 12.4921, -30.2000



# Rectangle

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



13.0594, 22.3646, 8.4387



13.0598, 2.3213, 9.1419



13.0598, -14.4493, -15.0565



13.0598, -3.4648, -38.7896

# Sweetspot

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



13.0598, 22.3629, 8.4389



28.7216, 8.0111, 4.7599



15.1151, 29.7167, -19.9359



14.3133, 4.5058, 2.5442



67.9972, -3.6282, 3.6944



19.0543, -1.0167, 1.0353



# Same Dimension

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



13.0598, 22.3629, 8.4389



17.2518, 29.5418, 11.1477



17.9528, 9.0200, 11.2204



13.8019, 0.2763, 1.0894



41.4301, 70.9481, 26.7711

# Inverse Universe

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



25.1309, -13.3221, -2.6529



33.1977, -17.5983, -3.5045



14.4802, 1.8626, -22.1199



14.5565, -1.7369, 0.4690



79.7251, -42.2626, -8.4168

# Previews

## White Background



This preview shows how the HunterLab color 13.0594, 22.3646, 8.4387 looks on a white background.

## Color Contrast Check

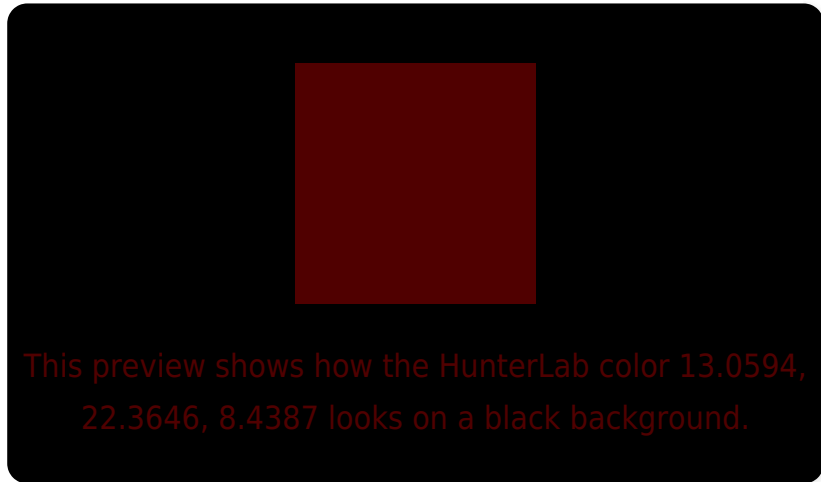
Large Text (above 18pt) WCAG AA ✓ Pass

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

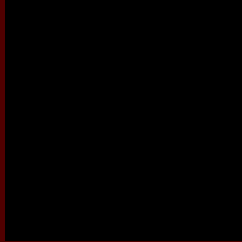
Any Text WCAG AA × Fail

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 13.0594, 22.3646, 8.4387 Background



This preview shows how black text looks on a background with the HunterLab color 13.0594, 22.3646, 8.4387.



This preview shows how white text looks on a background with the HunterLab color 13.0594, 22.3646, 8.4387.

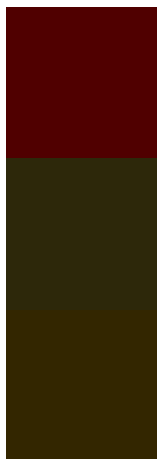




# Color Blindness Simulation

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

13.0594, 22.3646, 8.4387

### Protanopia

14.4824, -1.9782, 7.7137

### Deuteranopia

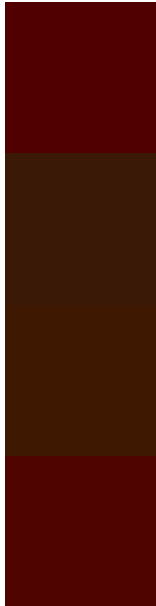
14.4569, 0.1148, 8.9103



## Tritanopia

13.4693, 20.1671, 8.6528

# Trichromacy



## Original Color

13.0594, 22.3646, 8.4387

## Protanomaly

12.6805, 7.7282, 7.1434

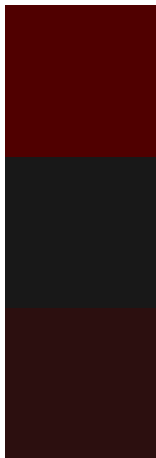
## Deuteranomaly

12.9515, 9.2166, 8.1420

## Tritanomaly

13.2253, 20.9614, 8.5164

# Monochromacy



## Original Color

13.0594, 22.3646, 8.4387

## Achromatopsia

9.5572, -0.5099, 0.5193

## Achromatomaly

9.5478, 7.5159, 3.2085

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 13.0594, 22.3646, 8.4387 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(80, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 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(80, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 13.0594, 22.3646, 8.4387 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(80, 0, 0) }
```

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

```
.border{ border-color:rgb(80, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(80, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 0); box-shadow:4px  
4px 4px 4px rgb(80, 0, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 13.0594, 22.3646, 8.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 0) }
```

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

```
.background{ background-color: rgb(80, 0,  
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](#).



# 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