

# Converting Colors

HunterLab(77.1766, -45.9993,  
12.3920)

Have a look what the booklet for  
HunterLab(77.1766, -45.9993,  
12.3920) contains.

<b>HunterLab(77.2393, -46.0981, 12.3986)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(77.2393,  
-46.0981, 12.3986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46E3B7
RGB	70, 227, 183
RGB Percent	27%, 89%, 72%
CMY	0.7255, 0.1098, 0.2823
CMYK	0.69, 0.00, 0.19, 0.11
HSL	163°, 74%, 58%
HSV	163°, 69%, 89%
XYZ	38.5421, 59.6591, 54.2836
YIQ	175.0410, -79.4480, -46.9680

# Conversions

## Conversions Part 2

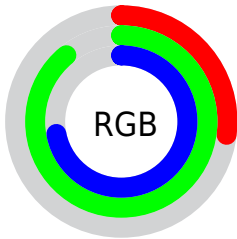
Format	Color
<a href="#">RYB</a>	<a href="#">70, 161, 227</a>
Decimal	<a href="#">4645815</a>
CIELab	<a href="#">81.65, -50.83, 9.78</a>
CIELCh	<a href="#">82, 51.763, 169.108</a>
Yxy	<a href="#">59.6614, 0.2528, 0.3912</a>
Android (android.graphics.Color)	<a href="#">4282835895</a> ( <a href="#">0xFF46E3B7</a> )
YUV	<a href="#">175.0410, 3.9238, -92.1210</a>
Hunter-Lab	<a href="#">77.2393, -46.0981, 12.3986</a>

# Details

The HunterLab color **77.2393, -46.0981, 12.3986** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **46.8269, 58.7426, 9.7234**, and the grayscale version is **65.5011, -3.4950, 3.5588**.

A 20% lighter version of the original color is **91.1429, -38.7482, 2.3614**, and **55.4414, -37.1629, 10.9270** is the 20% darker color. If you saturate the color by 10%, you get **76.6236, -48.9306, 14.3186**, and if you desaturate by 10%, it is **78.0653, -42.4556, 10.6376**.

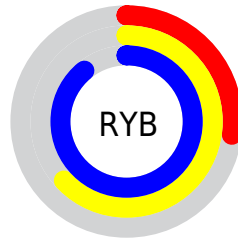
# Distribution



Red (27%)

Green (89%)

Blue (72%)



Red (27%)

Yellow (63%)

Blue (89%)

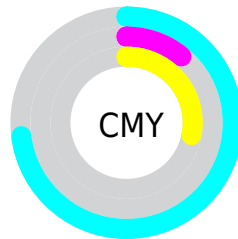


Cyan (69%)

Magenta (0%)

Yellow (19%)

Black (11%)



Cyan (73%)

Magenta (11%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 77.2393, -46.0981, 12.3986 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 77.2393, -46.0981, 12.3986 by changing the saturation by 10% instead.





 77.2393, -46.0981,  
12.3986


 77.2393, -46.0981,  
12.3986


205.7544,  
-72.7523, 22.8856


 65.6855, -42.7075,  
11.2872


 102.1462,  
-52.5180, 14.6461


 54.7718, -39.1574,  
10.1783


 115.4420,  
-55.5862, 15.7844

 44.5401, -35.4070,  
9.0680


 129.2693,  
-58.5798, 16.9345

 35.0393, -31.3974,  
7.9490

 143.6085,  
-61.5098, 18.0973

 26.3305, -27.0408,  
6.8098

158.4418,  
-64.3852, 19.2734

 18.4938, -22.1990,  
5.6306

173.7533,

 11.6398, -20.3697,

-67.2134, 20.4632

4.4755

189.5286,  
-70.0007, 21.6672

■ 4.2789, -7.4880,  
2.9952

0.0000, NaN, NaN

■ 77.2393, -46.0981,  
12.3986

■ 77.2393, -46.0981,  
12.3986

■ 76.6236, -48.9306,  
14.3186

■ 78.0653, -42.4556,  
10.6376

■ 76.1936, -51.0081,  
16.3569


■ 79.1111, -37.9783,  
9.0656


■ 75.9142, -52.4645,  
18.4602


■ 80.3872, -32.6720,  
7.7093


■ 75.8935, -52.5754,  
18.6349

■ 81.8984, -26.5651,  
6.5885

 83.6460, -19.7041,  
5.7165

 85.6280, -12.1489,  
5.1004

 87.8401, -3.9679,  
4.7417

 90.2759, 4.7669,  
4.6368

 90.8334, 7.0509,  
2.1512

# Harmonies

## Analogous

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



77.2408, -37.3807, 28.6585



77.2393, -46.0981, 12.3986



77.2408, -44.7054, -12.4169

# Triad

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



77.2408, -46.0987, 12.3994



77.2408, 12.3467, -53.0988



77.2408, 30.1398, 31.5169

# Complementary

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



77.2393, -46.0981, 12.3986



46.8269, 58.7426, 9.7234

# 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.



77.2408, 47.0711, 17.7954



77.2393, -46.0981, 12.3986



77.2408, 35.9248, -32.3683

# Square

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



77.2408, -46.0987, 12.3994



77.2408, -13.0500, -55.9644



77.2408, 49.3140, -5.0002



77.2408, 5.2236, 37.1042

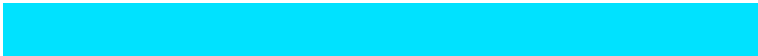


# Rectangle

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



77.2393, -46.0981, 12.3986



77.2408, -38.1742, -30.7957



77.2408, 49.3140, -5.0002



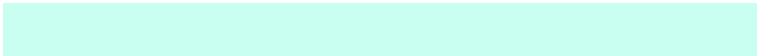
77.2408, 37.0828, 27.9525

# Sweetspot

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



77.2408, -46.0987, 12.3994



95.0214, -24.0918, 6.6957



76.8067, -51.7258, 41.9488



43.6992, -12.1701, 3.2196

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



77.2408, -46.0987, 12.3994



87.1850, -56.9645, 17.3399



67.0693, -22.9998, -23.3210



40.3285, -5.8375, 2.4109



57.9751, -40.0399, 13.9709



15.8094, -10.5819, 3.0828



# Inverse Universe

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



46.8269, 58.7426, 9.7234



48.9755, 76.6572, 16.0912



51.6515, 40.0264, 25.8758



37.9922, 1.8377, 1.9536



31.2326, 54.2249, 14.4602

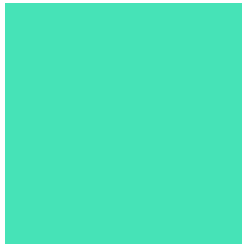


8.5809, 15.0739, 2.6080



# Previews

## White Background



This preview shows how the HunterLab color 77.2393, -46.0981, 12.3986 looks on a white 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



# Black Background



This preview shows how the HunterLab color 77.2393, -46.0981, 12.3986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

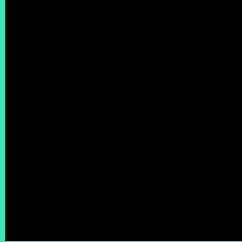
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

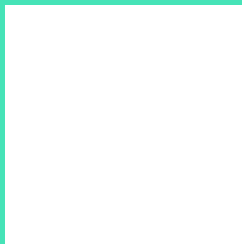
Any Text WCAG AAA ✓ Pass

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

## HunterLab 77.2393, -46.0981, 12.3986 Background



This preview shows how black text looks on a background with the HunterLab color 77.2393, -46.0981, 12.3986.



This preview shows how white text looks on a background with the HunterLab color 77.2393,

-46.0981, 12.3986.

# 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

77.2393, -46.0981, 12.3986

### Protanopia

76.5981, -5.1931, 17.6715

### Deuteranopia

76.3602, 5.7782, 9.3290



## Tritanopia

77.2876, -29.9408, -14.3633

# Trichromacy



## Original Color

77.2393, -46.0981, 12.3986



## Protanomaly

75.2741, -24.3518, 14.0120



## Deuteranomaly

74.9436, -18.2471, 8.6666



## Tritanomaly

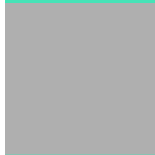
77.3069, -36.5786, -3.3507

# Monochromacy



## Original Color

77.2393, -46.0981, 12.3986



## Achromatopsia

65.4745, -3.4936, 3.5574



## Achromatomaly

68.6413, -22.2295, 5.5259

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 77.2393, -46.0981, 12.3986 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(70, 227, 183)` looks like.

```
.text, #text, p{  
  color:rgb(70, 227, 183)  
}
```

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(70, 227, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 227, 183) }
```

## Border

The CSS property to change the border of an element to HunterLab 77.2393, -46.0981, 12.3986 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(70, 227, 183) }
```



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

```
.border{ border-color:rgb(70, 227, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 227, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 227, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 227, 183);  
box-shadow:4px 4px 4px 4px rgb(70, 227,  
183) }
```

# Background

The CSS property to change the background color of an element to HunterLab 77.2393, -46.0981, 12.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 227, 183) }
```

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

```
.background{ background-color: rgb(70, 227,  
183) }
```

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