

# Converting Colors

HunterLab(20.5728, 32.2416,  
13.2413)

Have a look what the booklet for  
HunterLab(20.5728, 32.2416,  
13.2413) contains.

<b>HunterLab(20.5728, 32.2416, 13.2413)</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(20.5728, 32.2416,  
13.2413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780B00
RGB	120, 11, 0
RGB Percent	47%, 4%, 0%
CMY	0.5294, 0.9568, 1.0000
CMYK	0.00, 0.91, 1.00, 0.53
HSL	6°, 100%, 24%
HSV	6°, 100%, 47%
XYZ	7.8654, 4.2324, 0.4024
YIQ	42.3370, 68.4950, 19.6870

# Conversions

## Conversions Part 2

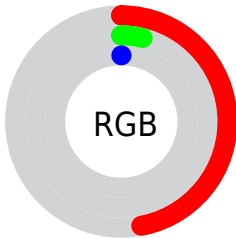
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 12, 0
Decimal	7867136
CIE Lab	24.43, 43.64, 36.36
CIE LCh	24, 56.798, 39.801
Yxy	4.2327, 0.6292, 0.3386
Android (android.graphics.Color)	4286057216 (0xFF780B00)
YUV	42.3370, -20.8721, 68.1105
Hunter-Lab	20.5728, 32.2416, 13.2413

# Details

The HunterLab color **20.5728, 32.2416, 13.2413** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35.0578, -16.2532, -8.7333**, and the grayscale version is **15.3785, -0.8206, 0.8355**.

A 20% lighter version of the original color is **37.6361, 35.9340, 19.5837**, and **10.1199, 17.3307, 6.5393** is the 20% darker color. If you saturate the color by 10%, you get **20.5734, 32.2391, 13.2417**, and if you desaturate by 10%, it is **21.4243, 29.9707, 12.7636**.

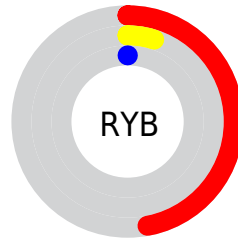
# Distribution



Red (47%)

Green (4%)

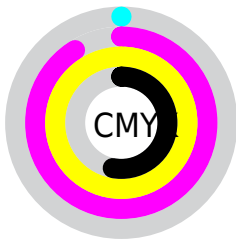
Blue (0%)



Red (47%)

Yellow (5%)

Blue (0%)

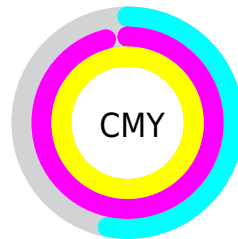


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (96%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.5728, 32.2416, 13.2413 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 20.5728, 32.2416, 13.2413 by changing the saturation by 10% instead.



■ 20.5728, 32.2416,  
13.2413

■ 20.5728, 32.2416,  
13.2413

■ 119.2230, 44.4839,  
38.1112

■ 13.4333, 30.4411,  
9.4033

■ 37.5968, 35.7230,  
19.6208

■ 7.0000, 32.0220,  
4.9000

■ 47.3058, 37.2983,  
22.6134

0.0000, INF, NaN

0.0000, NaN, NaN

■ 57.7310, 38.7545,  
25.4434

0.0000, NaN, NaN

■ 68.8263, 40.0975,  
28.1457

0.0000, NaN, NaN

■ 80.5533, 41.3347,  
30.7461

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 92.8798, 42.4736,


33.2643


0.0000, NaN, NaN

 105.7778, 43.5212,  
35.7154


 20.5728, 32.2416,  
13.2413


 20.5728, 32.2416,  
13.2413


 20.5734, 32.2391,  
13.2417

 21.4243, 29.9707,  
12.7636

 22.6632, 26.8866,  
12.1748

 24.2903, 23.2914,  
11.3012

 26.2711, 19.4353,  
10.2174

 28.5627, 15.5139,  
8.9978

■ 31.1220, 11.6540,  
7.7014

■ 33.9099, 7.9243,  
6.3686

■ 36.8929, 4.3528,  
5.0249

■ 40.0432, 0.9435,  
3.6845

# Harmonies

## Analogous

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



20.5735, 44.4952, 5.9157



20.5728, 32.2416, 13.2413



20.5735, 12.0626, 14.4014

# Triad

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



20.5735, 32.2391, 13.2416



20.5735, -24.3319, 9.4723



20.5735, 5.0397, -63.4443

# Complementary

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



20.5728, 32.2416, 13.2413



35.0578, -16.2532, -8.7333

# 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.



20.5735, -11.6075, -58.5975



20.5728, 32.2416, 13.2413



20.5735, -25.0864, -5.2093

# Square

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



20.5735, 32.2391, 13.2416



20.5735, -18.7059, 14.4014



20.5735, -21.3031, -32.3911



20.5735, 25.6258, -42.7015



# Rectangle

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



20.5728, 32.2416, 13.2413



20.5735, -0.9801, 14.4014



20.5735, -21.3031, -32.3911



20.5735, -1.2173, -64.9944

# Sweetspot

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



20.5735, 32.2391, 13.2416



44.6905, 10.8661, 8.5770



22.6248, 43.7212, -23.9513



21.1297, 6.1034, 4.4704



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



20.5735, 32.2391, 13.2416



27.1010, 43.3622, 17.4586



28.9367, 10.6511, 18.0171



20.1713, 0.3200, 1.7815



21.4626, 33.7592, 13.8161



46.2591, 75.7785, 29.8313



# Inverse Universe

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



35.0578, -16.2532, -8.7333



46.3853, -21.4189, -11.7404



19.0716, 9.0300, -43.3309



21.1011, -2.4373, 0.4753



36.6029, -16.9580, -9.1430



79.5310, -36.5209, -20.5686



# Previews

## White Background



This preview shows how the HunterLab color 20.5728, 32.2416, 13.2413 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

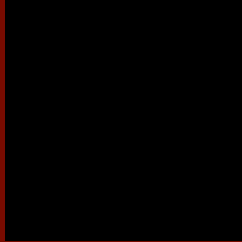
Any Text WCAG AA × Fail

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 20.5728, 32.2416, 13.2413 Background



This preview shows how black text looks on a background with the HunterLab color 20.5728, 32.2416, 13.2413.



This preview shows how white text looks on a background with the HunterLab color 20.5728, 32.2416,



# 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

20.5728, 32.2416, 13.2413

### Protanopia

21.5341, -2.7939, 11.9760

### Deuteranopia

21.4567, 0.4992, 13.2302



## Tritanopia

20.5941, 32.3238, 12.9252

# Trichromacy



## Original Color

20.5728, 32.2416, 13.2413

## Protanomaly

19.5560, 10.8964, 11.3705

## Deuteranomaly

19.7814, 13.2723, 12.4216

## Tritanomaly

20.5888, 32.3032, 13.0042

# Monochromacy



## Original Color

20.5728, 32.2416, 13.2413

## Achromatopsia

15.2162, -0.8119, 0.8267

## Achromatomaly

15.3662, 10.4397, 5.6504

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.5728, 32.2416, 13.2413 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(120, 11, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 11, 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(120, 11, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 11, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.5728, 32.2416, 13.2413 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(120, 11, 0) }
```



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

```
.border{ border-color:rgb(120, 11, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 11, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 11, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 11, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 11, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 20.5728, 32.2416, 13.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 11, 0) }
```

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

```
.background{ background-color: rgb(120, 11,  
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