

# Converting Colors

HunterLab(20.3343, 35.5730,  
7.3266)

Have a look what the booklet for  
HunterLab(20.3343, 35.5730,  
7.3266) contains.

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# Color

**HunterLab(20.3624, 35.6236,  
7.3256)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780028
RGB	120, 0, 40
RGB Percent	47%, 0%, 16%
CMY	0.5294, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.67, 0.53
HSL	340°, 100%, 24%
HSV	340°, 100%, 47%
XYZ	8.1287, 4.1463, 2.3794
YIQ	40.4400, 58.6800, 37.8800

# Conversions

## Conversions Part 2

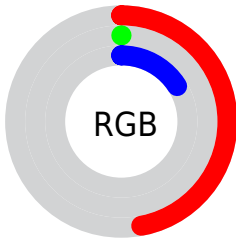
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 0, 40
Decimal	7864360
CIE Lab	24.15, 47.23, 13.31
CIE LCh	24, 49.071, 15.736
Yxy	4.1465, 0.5547, 0.2829
Android (android.graphics.Color)	4286054440 (0xFF780028)
YUV	40.4400, -0.2169, 69.7741
Hunter-Lab	20.3624, 35.6236, 7.3256

# Details

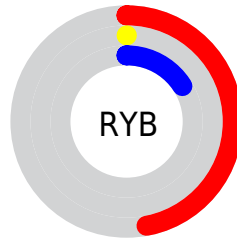
The HunterLab color **20.3624, 35.6236, 7.3256** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **37.4330, -26.5728, 10.5762**, and the grayscale version is **14.6987, -0.7843, 0.7986**.

A 20% lighter version of the original color is **37.2846, 39.5505, 10.0003**, and **10.6010, 18.1546, 6.8501** is the 20% darker color. If you saturate the color by 10%, you get **20.3622, 35.6230, 7.3276**, and if you desaturate by 10%, it is **21.1417, 34.0150, 5.7806**.

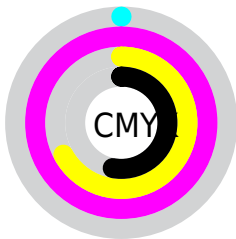
# Distribution



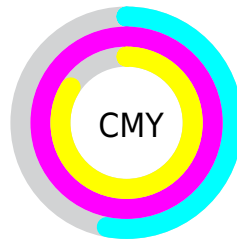
- Red (47%)
- Green (0%)
- Blue (16%)



- Red (47%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (53%)



- Cyan (53%)
- Magenta (100%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.3624, 35.6236, 7.3256 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 20.3624, 35.6236, 7.3256 by changing the saturation by 10% instead.



■ 20.3624, 35.6236,  
7.3256

■ 20.3624, 35.6236,  
7.3256

■ 118.8446, 48.9887,  
19.3262

■ 13.2509, 33.7923,  
5.8070

■ 37.3394, 39.3180,  
10.1726

■ 6.7782, 36.4108,  
4.7447

■ 47.0279, 41.0222,  
11.5194

0.0000, INF, NaN

0.0000, NaN, NaN

■ 57.4340, 42.6110,  
12.8401

0.0000, NaN, NaN

■ 68.5113, 44.0871,  
14.1453

0.0000, NaN, NaN

■ 80.2213, 45.4562,  
15.4420


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 92.5316, 46.7252,


16.7355


0.0000, NaN, NaN


 105.4142, 47.9006,  
18.0293


 20.3624, 35.6236,  
7.3256


 20.3624, 35.6236,  
7.3256


 20.3622, 35.6230,  
7.3276

 21.1417, 34.0150,  
5.7806

 22.2090, 31.7535,  
4.2522

 23.7187, 28.4997,  
2.9885

 25.6436, 24.5438,  
2.0546

 27.9380, 20.1771,  
1.4606

■ 30.5517, 15.6258,  
1.1802

■ 33.4369, 11.0372,  
1.1717

■ 36.5523, 6.4950,  
1.3906

■ 39.8633, 2.0390,  
1.7964

# Harmonies

## Analogous

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



20.3630, 35.9383, -7.0526



20.3624, 35.6236, 7.3256



20.3630, 23.7512, 12.9317

# Triad

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



20.3630, 35.6211, 7.3261



20.3630, -18.1490, 12.7502



20.3630, -7.8343, -48.8626

# Complementary

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



20.3624, 35.6236, 7.3256



37.4330, -26.5728, 10.5762

# 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.



20.3630, -17.8077, -30.7948



20.3624, 35.6236, 7.3256



20.3630, -22.4595, 6.8634

# Square

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



20.3630, 35.6211, 7.3261



20.3630, -8.4607, 14.2541



20.3630, -22.3564, -8.0245



20.3630, 7.5113, -48.3348



# Rectangle

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



20.3624, 35.6236, 7.3256



20.3630, 12.4508, 14.2541



20.3630, -22.3564, -8.0245



20.3630, -11.8117, -44.3967

# Sweetspot

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



20.3630, 35.6211, 7.3261



44.0479, 15.0903, 1.5437



17.4985, 37.7120, -48.7644



20.7933, 8.3568, 0.7393



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.



20.3630, 35.6211, 7.3261



26.9622, 47.0877, 10.3358



21.1985, 30.2331, 13.5907



20.0874, 0.8209, 0.9206



21.2622, 37.1864, 7.7379



46.2836, 80.6496, 19.1522



# Inverse Universe

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



20.3630, 35.6211, 7.3261



26.9622, 47.0877, 10.3358



32.3587, -12.7861, -12.8426



20.0874, 0.8209, 0.9206



21.2622, 37.1864, 7.7379

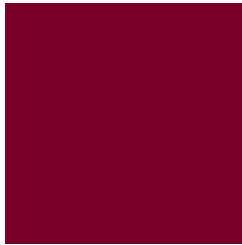


46.2836, 80.6496, 19.1522



# Previews

## White Background



This preview shows how the HunterLab color 20.3624, 35.6236, 7.3256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

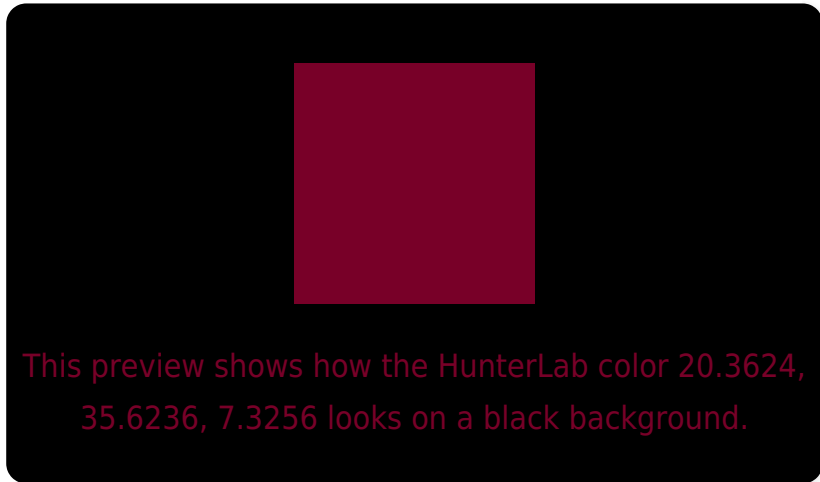
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

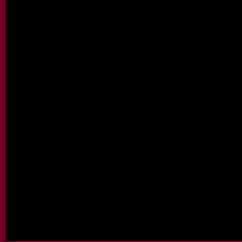
Any Text WCAG AA × Fail

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 20.3624, 35.6236, 7.3256 Background



This preview shows how black text looks on a background with the HunterLab color 20.3624, 35.6236, 7.3256.



This preview shows how white text looks on a background with the HunterLab color 20.3624, 35.6236,



# 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

20.3624, 35.6236, 7.3256

### Protanopia

21.7026, -0.9015, 2.0534

### Deuteranopia

21.5484, 1.3735, 8.9269



## Tritanopia

20.7948, 31.1841, 12.1750

# Trichromacy



## Original Color

20.3624, 35.6236, 7.3256

## Protanomaly

18.9309, 14.0303, 1.7357

## Deuteranomaly

19.1856, 15.8278, 6.6902

## Tritanomaly

20.4961, 32.6799, 10.8568

# Monochromacy



## Original Color

20.3624, 35.6236, 7.3256

## Achromatopsia

14.5667, -0.7772, 0.7914

## Achromatomaly

14.5385, 13.6609, 1.0109

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.3624, 35.6236, 7.3256 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, 0, 40)` looks like.

```
.text, #text, p{  
  color:rgb(120, 0, 40)  
}
```

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, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 40) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.3624, 35.6236, 7.3256 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, 0, 40) }
```



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

```
.border{ border-color:rgb(120, 0, 40) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(120, 0, 40)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 20.3624, 35.6236, 7.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 40) }
```

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

```
.background{ background-color: rgb(120, 0,  
40) }
```

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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