

Converting Colors

HunterLab(12.7220, 17.1030,
-51.6572)

Have a look what the booklet for
HunterLab(12.7220, 17.1030,
-51.6572) contains.

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Color

**HunterLab(12.7196, 17.0997,
-51.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	041767
RGB	4, 23, 103
RGB Percent	2%, 9%, 40%
CMY	0.9843, 0.9098, 0.5961
CMYK	0.96, 0.78, 0.00, 0.60
HSL	228°, 93%, 21%
HSV	228°, 96%, 40%
XYZ	2.8047, 1.6179, 12.9965
YIQ	26.4390, -37.0040, 20.8520

Conversions

Conversions Part 2

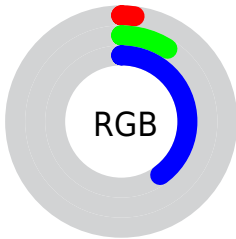
Format	Color
R_{YB}	4, 20, 103
Decimal	268135
CIE _{Lab}	13.34, 28.05, -47.89
CIE _{LCh}	13, 55.499, 300.358
Yxy	1.6179, 0.1610, 0.0929
Android (android.graphics.Color)	4278458215 (0xFF041767)
YUV	26.4390, 37.7446, -19.6790
Hunter-Lab	12.7196, 17.0997, -51.6768

Details

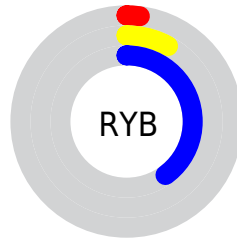
The HunterLab color **12.7196, 17.0997, -51.6768** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **30.3889, -1.5683, 18.4733**, and the grayscale version is **10.1948, -0.5440, 0.5539**.

A 20% lighter version of the original color is **27.7118, 19.8610, -48.9236**, and **6.1998, 10.5669, -30.5602** is the 20% darker color. If you saturate the color by 10%, you get **12.1289, 18.4236, -54.9312**, and if you desaturate by 10%, it is **14.3947, 13.6550, -43.7446**.

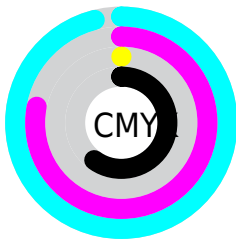
Distribution



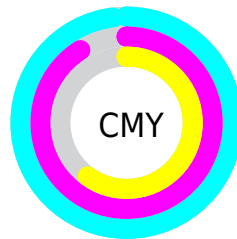
- Red (2%)
- Green (9%)
- Blue (40%)



- Red (2%)
- Yellow (8%)
- Blue (40%)



- Cyan (96%)
- Magenta (78%)
- Yellow (0%)
- Black (60%)



- Cyan (98%)
- Magenta (91%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.7196, 17.0997, -51.6768 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 12.7196, 17.0997, -51.6768 by changing the saturation by 10% instead.

■ 12.7196, 17.0997,
-51.6768

■ 12.7196, 17.0997,
-51.6768

■ 104.3483, 24.9958,
-53.1532

■ 6.0797, 20.2292,
-66.8907

■ 27.7393, 19.7042,
-48.9549

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 36.5865, 20.7892,
-49.1236

0.0000, NaN, -NF

■ 46.2144, 21.7439,
-49.6177

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 56.5642, 22.5826,
-50.2662

0.0000, NaN, NaN

■ 67.5885, 23.3175,
-50.9821

0.0000, NaN, NaN

■ 79.2485, 23.9591,

0.0000, NaN, NaN

-51.7180

■ 91.5112, 24.5161,
-52.4470

■ 12.7196, 17.0997,
-51.6768

■ 12.7196, 17.0997,
-51.6768

■ 12.1289, 18.4236,
-54.9312

■ 14.3947, 13.6550,
-43.7446

■ 16.3553, 10.5212,
-36.2556

■ 18.5651, 7.8366,
-29.4040

■ 20.9739, 5.5780,
-23.2525

■ 23.5438, 3.6846,
-17.7427

■ 26.2464, 2.0909,
-12.7778

■ 29.0605, 0.7391,
-8.2603

■ 31.9704, -0.4182,
-4.1047

■ 34.9637, -1.4185,
-0.2404

Harmonies

Analogous

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



12.7197, -0.5012, -66.8324



12.7196, 17.0997, -51.6768



12.7197, 34.6316, -21.2405

Triad

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



12.7197, 17.1009, -51.6766



12.7197, 16.6434, 8.9038



12.7197, -21.5754, 0.5222

Complementary

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



12.7196, 17.0997, -51.6768



30.3889, -1.5683, 18.4733

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.



12.7197, -19.0877, 8.9038



12.7196, 17.0997, -51.6768



12.7197, -0.8565, 8.9038

Square

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



12.7197, 17.1009, -51.6766



12.7197, 34.2932, 8.9038



12.7197, -12.1722, 8.9038



12.7197, -18.9688, -21.9424

Rectangle

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



12.7196, 17.0997, -51.6768



12.7197, 41.1989, -4.7173



12.7197, -12.1722, 8.9038



12.7197, -21.3072, 4.4383

Sweetspot

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



12.7197, 17.1009, -51.6766



37.4608, 1.6328, -13.2545



32.1778, -20.4221, 4.3158



17.9115, 1.0922, -7.5001



74.4461, -3.9723, 4.0448



24.3420, -1.2988, 1.3225

Same Dimension

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



12.7197, 17.1009, -51.6766



15.7765, 26.1510, -76.1717



11.8383, 26.6555, -56.5055



16.8548, -0.5691, -0.6414



13.4400, 21.2018, -62.5674



29.0115, 54.1954, -153.2543

Inverse Universe

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



17.4141, 28.8925, 8.4766



22.8858, 39.5170, 12.2735



33.3732, -17.5240, 20.0530



16.8945, 0.5355, 1.0268



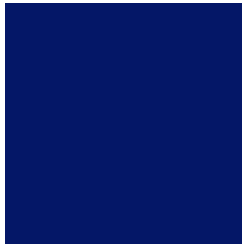
19.1987, 33.1802, 10.0650



43.7293, 75.3473, 24.6942

Previews

White Background



This preview shows how the HunterLab color 12.7196, 17.0997, -51.6768 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



This preview shows how the HunterLab color 12.7196, 17.0997, -51.6768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

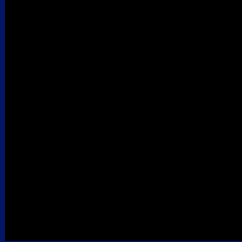
Any Text WCAG AA × Fail

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 12.7196, 17.0997, -51.6768 Background



This preview shows how black text looks on a background with the HunterLab color 12.7196, 17.0997, -51.6768.



This preview shows how white text looks on a background with the HunterLab color 12.7196, 17.0997, -51.6768.

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

12.7196, 17.0997, -51.6768

Protanopia

12.9734, 2.1124, -20.7757

Deuteranopia

12.9265, -1.4790, -12.9643



Tritanopia

12.9798, -6.5324, -2.1221

Trichromacy



Original Color

12.7196, 17.0997, -51.6768

Protanomaly

12.7535, 7.1116, -31.0097

Deuteranomaly

12.5511, 4.6104, -25.3527

Tritanomaly

12.3316, 0.2765, -15.7176

Monochromacy



Original Color

12.7196, 17.0997, -51.6768

Achromatopsia

10.1636, -0.5423, 0.5522

Achromatomaly

10.4413, 3.3185, -13.3259

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.7196, 17.0997, -51.6768 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(4, 23, 103)` looks like.

```
.text, #text, p{  
    color:rgb(4, 23, 103)  
}
```

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(4, 23, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 23, 103) }
```

Border

The CSS property to change the border of an element to HunterLab 12.7196, 17.0997, -51.6768 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(4, 23, 103) }
```


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

```
.border{ border-color:rgb(4, 23, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 23, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 23, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 23, 103);  
box-shadow:4px 4px 4px 4px rgb(4, 23, 103)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 12.7196, 17.0997, -51.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 23, 103) }
```

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

```
.background{ background-color: rgb(4, 23,  
103) }
```

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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