

Converting Colors

HunterLab(31.2100, 23.1084,
-88.8888)

Have a look what the booklet for
HunterLab(31.2100, 23.1084,
-88.8888) contains.

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Color

**HunterLab(31.3184, 22.8402,
-88.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	004ECC
RGB	0, 78, 204
RGB Percent	0%, 31%, 80%
CMY	0.9998, 0.6941, 0.2000
CMYK	1.00, 0.62, 0.00, 0.20
HSL	217°, 100%, 40%
HSV	217°, 100%, 80%
XYZ	13.6235, 9.8084, 58.3020
YIQ	69.0420, -86.9340, 22.6500

Conversions

Conversions Part 2

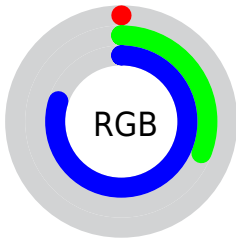
Format	Color
RYB	0, 56, 204
Decimal	20172
CIELab	37.50, 31.08, -70.17
CIElCh	37, 76.748, 293.892
Yxy	9.8086, 0.1667, 0.1200
Android (android.graphics.Color)	4278210252 (0xFF004ECC)
YUV	69.0420, 66.5343, -60.5498
Hunter-Lab	31.3184, 22.8402, -88.4507

Details

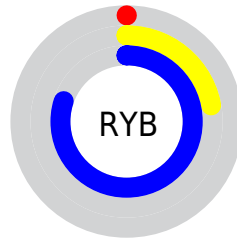
The HunterLab color **31.3184, 22.8402, -88.4507** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **52.6986, 17.4179, 32.7761**, and the grayscale version is **24.2094, -1.2918, 1.3153**.

A 20% lighter version of the original color is **49.8508, 22.9258, -81.4024**, and **18.3630, 26.4399, -80.0283** is the 20% darker color. If you saturate the color by 10%, you get **31.3118, 22.8567, -88.4779**, and if you desaturate by 10%, it is **34.5361, 16.5930, -76.5016**.

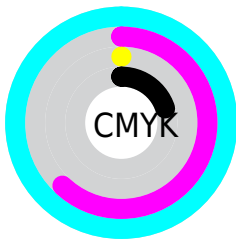
Distribution



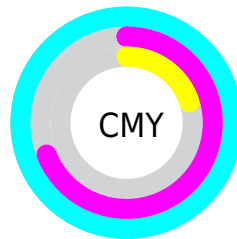
- Red (0%)
- Green (31%)
- Blue (80%)



- Red (0%)
- Yellow (22%)
- Blue (80%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (69%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 31.3184, 22.8402, -88.4507 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 31.3184, 22.8402, -88.4507 by changing the saturation by 10% instead.

■ 31.3184, 22.8402,
-88.4507

■ 31.3184, 22.8402,
-88.4507

■ 137.5866, 29.6425,
-91.5489

■ 22.9614, 21.5395,
-91.4364

■ 50.4330, 25.0450,
-86.8225

■ 15.5173, 20.0979,
-98.0045

■ 61.0685, 25.9690,
-86.9923

■ 9.1101, 18.6070,
-113.7311

■ 72.3615, 26.7900,
-87.4744

0.0000, INF, -NF

■ 84.2758, 27.5177,
-88.1451

0.0000, NaN, -NF

■ 96.7805, 28.1603,
-88.9287

0.0000, NaN, -NF

109.8490, 28.7248,

0.0000, NaN, NaN

-89.7767

0.0000, NaN, NaN

123.4579, 29.2172,
-90.6573

■ 31.3184, 22.8402,
-88.4507

■ 31.3184, 22.8402,
-88.4507

■ 31.3118, 22.8567,
-88.4779

■ 34.5361, 16.5930,
-76.5016

■ 38.1697, 11.1981,
-65.0209

■ 42.1974, 6.7896,
-54.1465

■ 46.5655, 3.3071,
-43.9862

■ 51.2260, 0.6423,
-34.5435

■ 56.1381, -1.3224,
-25.7656

■ 61.2684, -2.6965,
-17.5764

■ 66.5895, -3.5746,
-9.8953

■ 72.0792, -4.0361,
-2.6466

Harmonies

Analogous

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



31.3187, -7.1205, -101.4492



31.3184, 22.8402, -88.4507



31.3187, 53.7501, -45.0060

Triad

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



31.3187, 22.8421, -88.4499



31.3187, 36.1268, 21.5731



31.3187, -38.8942, 6.6135

Complementary

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



31.3184, 22.8402, -88.4507



52.6986, 17.4179, 32.7761

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.



31.3187, -34.0436, 19.2467



31.3184, 22.8402, -88.4507



31.3187, 4.1748, 21.9231

Square

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



31.3187, 22.8421, -88.4499



31.3187, 63.0956, 16.0309



31.3187, -20.3944, 21.9231



31.3187, -36.9173, -26.3988

Rectangle

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



31.3184, 22.8402, -88.4507



31.3187, 67.3362, -15.7796



31.3187, -20.3944, 21.9231



31.3187, -38.0832, 12.7237

Sweetspot

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



31.3187, 22.8421, -88.4499



78.5677, -3.4104, -23.0411



66.8490, -49.3024, 22.8768



35.0317, -1.2622, -12.7081

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

Same Dimension

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



31.3187, 22.8421, -88.4499



39.8186, 30.5876, -115.7996



21.3375, 56.9604, -144.5921



33.9635, -1.9005, -1.0492



25.1754, 17.3234, -68.8634



6.8743, 1.4569, -11.7373

Inverse Universe

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



36.5903, 64.1582, 11.9910



47.0444, 82.4179, 16.0352



72.7421, -28.0060, 44.3320



33.5908, 1.7248, 1.3241



29.0565, 51.0088, 9.0965



6.7101, 11.9892, 0.4758

Previews

White Background



This preview shows how the HunterLab color 31.3184, 22.8402, -88.4507 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 31.3184, 22.8402, -88.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

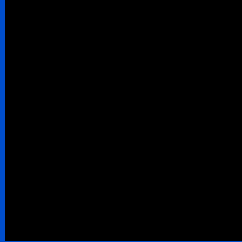
Any Text WCAG AA × Fail

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 31.3184, 22.8402, -88.4507 Background



This preview shows how black text looks on a background with the HunterLab color 31.3184, 22.8402, -88.4507.



This preview shows how white text looks on a background with the HunterLab color 31.3184, 22.8402, -88.4507.

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

31.3184, 22.8402, -88.4507

Protanopia

31.2926, 10.7607, -62.3422

Deuteranopia

31.3293, -0.2791, -38.5564



Tritanopia

31.2007, -15.3186, -5.9298

Trichromacy



Original Color

31.3184, 22.8402, -88.4507

Protanomaly

31.1588, 15.3774, -72.1411

Deuteranomaly

31.0389, 7.6426, -55.2941

Tritanomaly

30.6196, -4.1803, -29.2479

Monochromacy



Original Color

31.3184, 22.8402, -88.4507

Achromatopsia

24.3949, -1.3017, 1.3254

Achromatomaly

25.4523, 1.9279, -24.2084

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 31.3184, 22.8402, -88.4507 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(0, 78, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 204)  
}
```

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(0, 78, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 204) }
```

Border

The CSS property to change the border of an element to HunterLab 31.3184, 22.8402, -88.4507 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(0, 78, 204) }
```


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

```
.border{ border-color:rgb(0, 78, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 78, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 204)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 31.3184, 22.8402, -88.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 204) }
```

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

```
.background{ background-color: rgb(0, 78,  
204) }
```

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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