

Converting Colors

HunterLab(20.9314, 21.2779,
-72.0952)

Have a look what the booklet for
HunterLab(20.9314, 21.2779,
-72.0952) contains.

HunterLab(21.0091, 21.0663, -71.7355)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(21.0091, 21.0663,
-71.7355)**

Conversions

Conversions Part 1

Format	Color
Hex	003099
RGB	0, 48, 153
RGB Percent	0%, 19%, 60%
CMY	0.9999, 0.8118, 0.4000
CMYK	1.00, 0.69, 0.00, 0.40
HSL	221°, 100%, 30%
HSV	221°, 100%, 60%
XYZ	6.8067, 4.4138, 30.6302
YIQ	45.6180, -62.3130, 22.4790

Conversions

Conversions Part 2

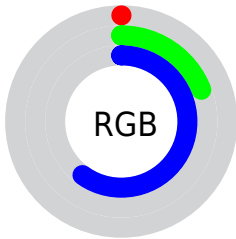
Format	Color
R_{YB}	0, 37, 153
Decimal	12441
CIE _{Lab}	25.00, 30.94, -60.37
CIE _{LCh}	25, 67.831, 297.134
Yxy	4.4139, 0.1626, 0.1055
Android (android.graphics.Color)	4278202521 (0xFF003099)
YUV	45.6180, 52.9393, -40.0070
Hunter-Lab	21.0091, 21.0663, -71.7355

Details

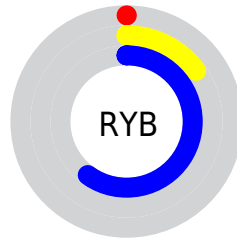
The HunterLab color **21.0091, 21.0663, -71.7355** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **41.0865, 7.1310, 25.4411**, and the grayscale version is **16.2508, -0.8671, 0.8829**.

A 20% lighter version of the original color is **38.1286, 23.2801, -68.8917**, and **10.4477, 23.1469, -63.0263** is the 20% darker color. If you saturate the color by 10%, you get **21.0055, 21.0761, -71.7524**, and if you desaturate by 10%, it is **23.4117, 16.1405, -61.6134**.

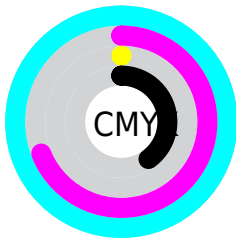
Distribution



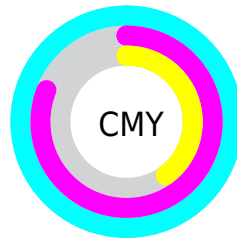
- Red (0%)
- Green (19%)
- Blue (60%)



- Red (0%)
- Yellow (15%)
- Blue (60%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (81%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 21.0091, 21.0663, -71.7355 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 21.0091, 21.0663, -71.7355 by changing the saturation by 10% instead.

■ 21.0091, 21.0663, -71.7355	■ 21.0091, 21.0663, -71.7355
120.0040, 28.9228, -73.6689	■ 13.8119, 19.6012, -76.4491
■ 38.1290, 23.5917, -69.2995	■ 7.4363, 19.6687, -92.5056
■ 47.8802, 24.6539, -69.3848	0.0000, INF, -NF
■ 58.3447, 25.5990, -69.8268	0.0000, NaN, -NF
■ 69.4768, 26.4387, -70.4670	0.0000, NaN, -NF
■ 81.2388, 27.1831, -71.2156	0.0000, NaN, NaN
■ 93.5985, 27.8405,	0.0000, NaN, NaN

-72.0190

0.0000, NaN, NaN

106.5282, 28.4184,
-72.8439

■ 21.0091, 21.0663,
-71.7355

■ 21.0091, 21.0663,
-71.7355

■ 21.0055, 21.0761,
-71.7524

■ 23.4117, 16.1405,
-61.6134

■ 26.1572, 11.7654,
-51.9873

■ 29.2302, 8.1167,
-42.9760

■ 32.5770, 5.1526,
-34.6856

■ 36.1527, 2.7866,
-27.0987

■ 39.9216, 0.9243,
-20.1429

■ 43.8555, -0.5204,
-13.7292

■ 47.9322, -1.6202,
-7.7712

■ 52.1341, -2.4348,
-2.1916

Harmonies

Analogous

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



21.0093, -3.1353, -87.1784



21.0091, 21.0663, -71.7355



21.0093, 45.6678, -32.9983

Triad

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



21.0093, 21.0679, -71.7351



21.0093, 26.1163, 14.7065



21.0093, -28.4099, 3.0037

Complementary

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



21.0091, 21.0663, -71.7355



41.0865, 7.1310, 25.4411

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.



21.0093, -25.6784, 13.4665



21.0091, 21.0663, -71.7355



21.0093, 0.9698, 14.7065

Square

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



21.0093, 21.0679, -71.7351



21.0093, 49.3092, 12.3076



21.0093, -16.7570, 14.7065



21.0093, -26.5941, -25.5973

Rectangle

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



21.0091, 21.0663, -71.7355



21.0093, 55.7399, -9.5415



21.0093, -16.7570, 14.7065



21.0093, -28.0320, 8.1127

Sweetspot

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



21.0093, 21.0679, -71.7351



58.3625, -0.5927, -18.8773



48.7787, -34.4286, 13.3543



26.4632, 0.0485, -10.3934



87.6224, -4.6753, 4.7607



35.4919, -1.8938, 1.9283

Same Dimension

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



21.0093, 21.0679, -71.7351



27.5774, 29.6727, -98.5242



15.9635, 41.7361, -101.3649



25.1530, -1.1922, -0.8545



19.2378, 18.7777, -64.5813



3.3944, 0.0781, -4.4113

Inverse Universe

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



26.4316, 46.0669, 10.8212



35.3276, 61.4958, 15.1055



52.0953, -23.1789, 31.6943



25.0060, 1.1009, 1.1940



24.0394, 41.9241, 9.6740



3.0404, 5.4950, -0.2694

Previews

White Background



This preview shows how the HunterLab color 21.0091, 21.0663, -71.7355 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 21.0091, 21.0663, -71.7355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

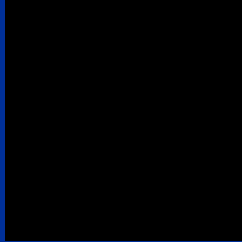
Any Text WCAG AA × Fail

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 21.0091, 21.0663, -71.7355 Background



This preview shows how black text looks on a background with the HunterLab color 21.0091, 21.0663, -71.7355.



This preview shows how white text looks on a background with the HunterLab color 21.0091, 21.0663, -71.7355.

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

21.0091, 21.0663, -71.7355

Protanopia

21.0505, 5.7792, -38.7870

Deuteranopia

21.0825, -1.1537, -23.8609



Tritanopia

21.1104, -10.6242, -3.4516

Trichromacy



Original Color

21.0091, 21.0663, -71.7355

Protanomaly

20.8129, 11.2004, -50.1927

Deuteranomaly

20.8120, 6.2569, -39.5200

Tritanomaly

20.3760, -1.3517, -22.5503

Monochromacy



Original Color

21.0091, 21.0663, -71.7355

Achromatopsia

16.5290, -0.8819, 0.8981

Achromatomaly

17.1759, 2.8125, -19.0341

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 21.0091, 21.0663, -71.7355 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, 48, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 48, 153)  
}
```

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, 48, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 48, 153) }
```

Border

The CSS property to change the border of an element to HunterLab 21.0091, 21.0663, -71.7355 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, 48, 153) }
```


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

```
.border{ border-color:rgb(0, 48, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 48, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 48, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 48, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 48, 153)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 21.0091, 21.0663, -71.7355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 48, 153) }
```

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

```
.background{ background-color: rgb(0, 48,  
153) }
```

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