

Converting Colors

HunterLab(23.9007, 16.0066,
-62.5224)

Have a look what the booklet for
HunterLab(23.9007, 16.0066,
-62.5224) contains.

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Color

**HunterLab(23.8960, 16.2097,
-63.0306)**

Conversions

Conversions Part 1

Format	Color
Hex	0C3C9C
RGB	12, 60, 156
RGB Percent	5%, 24%, 61%
CMY	0.9529, 0.7647, 0.3882
CMYK	0.92, 0.62, 0.00, 0.39
HSL	220°, 86%, 33%
HSV	220°, 92%, 61%
XYZ	7.7682, 5.7102, 32.1453
YIQ	56.5920, -59.4240, 19.6800

Conversions

Conversions Part 2

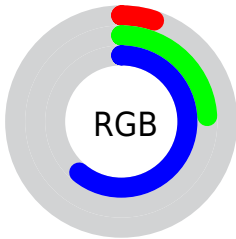
Format	Color
R_{YB}	12, 48, 156
Decimal	801948
CIE _{Lab}	28.67, 24.45, -56.16
CIE _{LCh}	29, 61.248, 293.526
Yxy	5.7103, 0.1703, 0.1252
Android (android.graphics.Color)	4278992028 (0xFF0C3C9C)
YUV	56.5920, 49.0081, -39.1072
Hunter-Lab	23.8960, 16.2097, -63.0306

Details

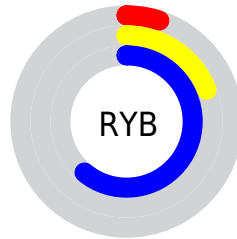
The HunterLab color $[23.8960, 16.2097, -63.0306]$ is a dark color, and the websafe version is hex 003399 . A complement of this color would be $[42.2192, 7.0471, 25.6492]$, and the grayscale version is $[19.9430, -1.0641, 1.0835]$.

A 20% lighter version of the original color is $[41.6442, 17.7155, -61.7704]$, and $[12.2466, 18.6343, -55.5332]$ is the 20% darker color. If you saturate the color by 10%, you get $[22.0336, 19.9973, -70.7085]$, and if you desaturate by 10%, it is $[26.5943, 11.7516, -53.5282]$.

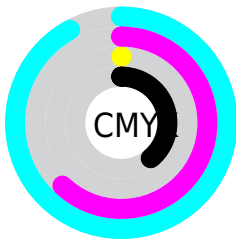
Distribution



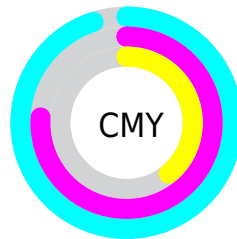
- Red (5%)
- Green (24%)
- Blue (61%)



- Red (5%)
- Yellow (19%)
- Blue (61%)



- Cyan (92%)
- Magenta (62%)
- Yellow (0%)
- Black (39%)



- Cyan (95%)
- Magenta (76%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 23.8960, 16.2097, -63.0306 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 23.8960, 16.2097, -63.0306 by changing the saturation by 10% instead.

■ 23.8960, 16.2097,
-63.0306

■ 23.8960, 16.2097,
-63.0306

■ 125.0884, 21.2788,
-67.0967

■ 16.3393, 15.0799,
-65.5150

■ 41.6258, 18.0359,
-62.2196

■ 9.8074, 13.7938,
-72.2247

■ 51.6450, 18.7635,
-62.6161

0.0000, INF, -NF

■ 62.3596, 19.3873,
-63.2280

0.0000, NaN, -NF

■ 73.7273, 19.9185,
-63.9527

0.0000, NaN, -NF

■ 85.7123, 20.3662,
-64.7311

0.0000, NaN, NaN

■ 98.2845, 20.7382,

0.0000, NaN, NaN

-65.5279

0.0000, NaN, NaN

111.4175, 21.0406,
-66.3210

■ 23.8960, 16.2097,
-63.0306

■ 23.8960, 16.2097,
-63.0306

■ 22.0336, 19.9973,
-70.7085

■ 26.5943, 11.7516,
-53.5282

■ 29.6215, 8.0261,
-44.5620

■ 32.9271, 5.0047,
-36.2580

■ 36.4672, 2.6063,
-28.6206

■ 40.2060, 0.7380,
-21.5941

■ 44.1150, -0.6874,
-15.1005

■ 48.1715, -1.7450,
-9.0599

■ 52.3572, -2.4971,
-3.3989

■ 56.6577, -2.9941,
1.9458

Harmonies

Analogous

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



23.8963, -5.4841, -71.7766



23.8960, 16.2097, -63.0306



23.8963, 38.4715, -32.5508

Triad

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



23.8963, 16.2110, -63.0300



23.8963, 26.3463, 16.6962



23.8963, -28.8486, 5.0896

Complementary

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



23.8960, 16.2097, -63.0306



42.2192, 7.0471, 25.6492

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.



23.8963, -25.1080, 14.4687



23.8960, 16.2097, -63.0306



23.8963, 3.2444, 16.7274

Square

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



23.8963, 16.2110, -63.0300



23.8963, 45.5494, 11.8217



23.8963, -14.8418, 16.7274



23.8963, -27.4096, -18.5470

Rectangle

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



23.8960, 16.2097, -63.0306



23.8963, 48.2931, -11.6670



23.8963, -14.8418, 16.7274



23.8963, -28.2109, 9.5610

Sweetspot

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



23.8963, 16.2110, -63.0300



61.4758, -1.5125, -17.2410



49.9382, -34.6777, 13.3179



27.8174, -0.4124, -9.6588



88.7363, -4.7347, 4.8212



36.4511, -1.9449, 1.9805

Same Dimension

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



23.8963, 16.2110, -63.0300



29.1397, 28.4241, -97.7815



17.4333, 39.7388, -95.5311



26.0354, -1.2971, -0.8469



20.1425, 17.7697, -63.5359



3.8214, 0.0258, -4.8320

Inverse Universe

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



27.6725, 46.1218, 8.6999



36.4067, 63.4931, 14.6447



53.5813, -22.2377, 32.2415



25.8472, 1.1732, 1.1759



24.5597, 42.9142, 9.2423



3.3951, 6.1433, -0.3571

Previews

White Background



This preview shows how the HunterLab color 23.8960, 16.2097, -63.0306 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 23.8960, 16.2097, -63.0306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

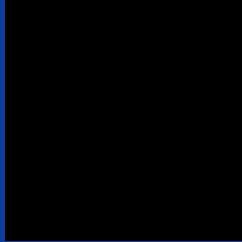
Any Text WCAG AA × Fail

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 23.8960, 16.2097, -63.0306 Background



This preview shows how black text looks on a background with the HunterLab color 23.8960, 16.2097, -63.0306.



This preview shows how white text looks on a background with the HunterLab color 23.8960, 16.2097, -63.0306.

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

23.8960, 16.2097, -63.0306

Protanopia

23.6972, 7.3237, -45.4293

Deuteranopia

23.8502, -0.8728, -27.9266



Tritanopia

23.6883, -11.5839, -4.6019

Trichromacy



Original Color

23.8960, 16.2097, -63.0306

Protanomaly

23.7174, 10.7138, -52.1640

Deuteranomaly

23.6393, 5.1689, -40.0945

Tritanomaly

23.4283, -3.3083, -21.5255

Monochromacy



Original Color

23.8960, 16.2097, -63.0306

Achromatopsia

20.2275, -1.0793, 1.0990

Achromatomaly

20.7071, 1.7199, -16.8621

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 23.8960, 16.2097, -63.0306 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(12, 60, 156)` looks like.

```
.text, #text, p{  
    color:rgb(12, 60, 156)  
}
```

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(12, 60, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 60, 156) }
```

Border

The CSS property to change the border of an element to HunterLab 23.8960, 16.2097, -63.0306 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(12, 60, 156) }
```


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

```
.border{ border-color:rgb(12, 60, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 60, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(12, 60, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(12, 60, 156); box-shadow:4px 4px 4px 4px rgb(12, 60, 156) }
```

Background

The CSS property to change the background color of an element to HunterLab 23.8960, 16.2097, -63.0306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 60, 156) }
```

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

```
.background{ background-color: rgb(12, 60,  
156) }
```

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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