

Converting Colors

YIQ(28.1070, -31.6920, 56.7560)

Have a look what the booklet for
YIQ(28.1070, -31.6920, 56.7560)
contains.

YIQ(28.1070, -31.6920, 56.7560)	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

**YIQ(28.1070, -31.6920,
56.7560)**

Conversions

Conversions Part 1

Format	Color
Hex	2100A0
RGB	33, 0, 160
RGB Percent	13%, 0%, 63%
CMY	0.8704, 1.0000, 0.3728
CMYK	0.79, 1.00, 0.00, 0.37
HSL	252°, 100%, 31%
HSV	252°, 100%, 63%
XYZ	6.9682, 2.8599, 33.4133
YIQ	28.1070, -31.6920, 56.7560

Conversions

Conversions Part 2

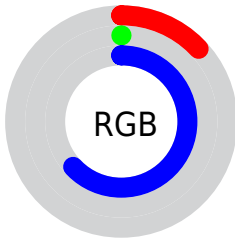
Format	Color
R_{YB}	33, 0, 160
Decimal	2162848
CIE _{Lab}	19.47, 56.36, -73.74
CIE _{LCh}	19, 92.812, 307.392
Yxy	2.8599, 0.1611, 0.0661
Android (android.graphics.Color)	4280352928 (0xFF2100A0)
YUV	28.1070, 65.0232, 4.2912
Hunter-Lab	16.9113, 43.9556, -105.3070

Details

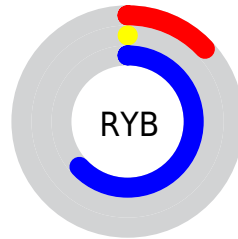
The YIQ color **28.1070, -31.6920, 56.7560** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **131.8930, 31.6920, -56.7560**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **89.7660, -23.3020, 58.8900**, and **12.1980, -34.3470, 33.2770** is the 20% darker color. If you saturate the color by 10%, you get **28.1070, -31.6920, 56.7560**, and if you desaturate by 10%, it is **41.3860, -28.3440, 51.1440**.

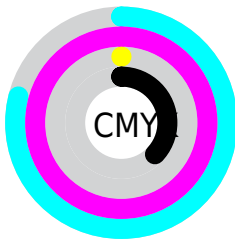
Distribution



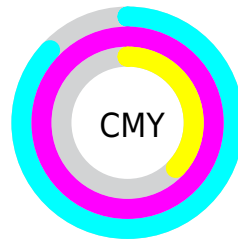
- Red (13%)
- Green (0%)
- Blue (63%)



- Red (13%)
- Yellow (0%)
- Blue (63%)



- Cyan (79%)
- Magenta (100%)
- Yellow (0%)
- Black (37%)



- Cyan (87%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 28.1070, -31.6920, 56.7560 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 YIQ color 28.1070, -31.6920, 56.7560 by changing the saturation by 10% instead.

■ 28.1070, -31.6920,
56.7560

■ 28.1070, -31.6920,
56.7560

■ 250.8910, 1.9250,
3.6610

■ 15.1620, -42.6930,
41.3630

■ 89.7660, -23.3020,
58.8900

■ 12.1980, -34.3470,
33.2770

■ 117.3040,
-21.8810, 60.6710

■ 10.4080, -26.5510,
24.1450

■ 142.6760,
-14.3610, 56.5430

■ 9.4330, -19.6720,
15.1120

■ 166.9080, -3.6310,
49.3050

■ 5.1640, -11.7850,
9.8390

■ 191.7270, 6.8240,
41.5440

■ 1.0260, -2.8890,
2.7990

■ 217.4320, 17.6000,

■ 0.0000, 0.0000,

33.4720

0.0000

■ 233.8680, 9.9000,
18.8280

■ 28.1070, -31.6920,
56.7560

■ 41.3860, -28.3440,
51.1440

■ 54.3660, -25.5920,
45.3200

■ 67.6450, -22.2440,
39.7080

■ 80.9240, -18.8960,
34.0960

■ 93.9040, -16.1440,
28.2720

■ 107.1830,
-12.7960, 22.6600

■ 120.4620, -9.4480,
17.0480

■ 133.7410, -6.1000,
11.4360

■ 146.7210, -3.3480,
5.6120

Harmonies

Analogous

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



55.1190, -76.6650, 29.2790



28.1070, -31.6920, 56.7560



50.9820, 46.2510, 59.3950

Triad

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



28.1070, -31.6920, 56.7560



37.5200, 54.5580, 13.4540



46.5110, -38.6480, -15.4480

Complementary

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



28.1070, -31.6920, 56.7560



131.8930, 31.6920, -56.7560

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.



38.1550, -17.8750, -33.9950



28.1070, -31.6920, 56.7560



43.0930, 12.1990, -17.3450

Square

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



28.1070, -31.6920, 56.7560



40.3650, 80.4600, 28.6200



35.8070, -16.7750, -31.9030



56.0240, -61.3010, 4.1310

Rectangle

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



28.1070, -31.6920, 56.7560



51.0490, 70.5070, 49.3150



35.8070, -16.7750, -31.9030



43.1880, -30.6690, -22.3890

Sweetspot

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



28.1070, -31.6920, 56.7560



157.0690, -12.4750, 22.3490



93.3760, -86.5600, -17.1840



73.7240, -7.4300, 13.5140



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



28.1070, -31.6920, 56.7560



36.6830, -41.4610, 74.1150



51.7280, 15.3920, 73.5040



72.5100, -1.3760, 2.9120



25.2720, -28.0230, 50.8330



2.6070, -3.0270, 5.3010

Inverse Universe

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



62.3180, 54.5930, 73.4170



81.4150, 71.2780, 95.9340



108.2720, -15.3920, -73.5040



74.0760, 2.8420, 3.5620



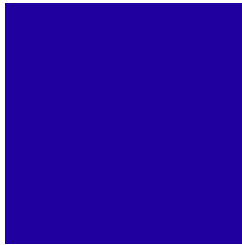
55.6390, 48.9550, 65.4590



5.8530, 5.0880, 6.9120

Previews

White Background



This preview shows how the YIQ color 28.1070, -31.6920, 56.7560 looks on a white background.

Color Contrast Check

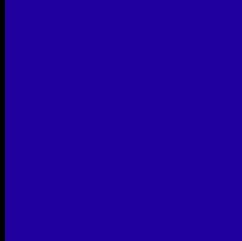
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 28.1070, -31.6920, 56.7560 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](#).

YIQ 28.1070, -31.6920, 56.7560

Background



This preview shows how black text looks on a background with the YIQ color 28.1070, -31.6920, 56.7560.



This preview shows how white text looks on a background with the YIQ color 28.1070, -31.6920,

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

28.1070, -31.6920, 56.7560

Protanopia

40.3910, -46.2170, 6.0950

Deuteranopia

40.4420, -42.2270, -0.1390



Tritanopia

39.5980, -34.3390, -10.9390

Trichromacy



Original Color

28.1070, -31.6920, 56.7560

Protanomaly

35.8070, -40.8560, 24.5840

Deuteranomaly

35.9550, -38.5170, 20.7390

Tritanomaly

35.6640, -33.5640, 13.5720

Monochromacy



Original Color

28.1070, -31.6920, 56.7560

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

28.2000, -11.4660, 20.5820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 28.1070, -31.6920, 56.7560 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(33, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(33, 0, 160)  
}
```

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(33, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 0, 160) }
```

Border

The CSS property to change the border of an element to YIQ 28.1070, -31.6920, 56.7560 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(33, 0, 160) }
```


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

```
.border{ border-color:rgb(33, 0, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 0, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(33, 0, 160)  
}
```

Background

The CSS property to change the background color of an element to YIQ 28.1070, -31.6920, 56.7560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 0, 160) }
```

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

```
.background{ background-color: rgb(33, 0,  
160) }
```

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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