

Converting Colors

YIQ(78.4390, -80.5620, 28.3180)

Have a look what the booklet for
YIQ(78.4390, -80.5620, 28.3180)
contains.

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Color

**YIQ(78.4390, -80.5620,
28.3180)**

Conversions

Conversions Part 1

Format	Color
Hex	1352D8
RGB	19, 82, 216
RGB Percent	7%, 32%, 85%
CMY	0.9254, 0.6783, 0.1534
CMYK	0.91, 0.62, 0.00, 0.15
HSL	221°, 84%, 46%
HSV	221°, 91%, 85%
XYZ	15.6683, 11.1292, 66.2149
YIQ	78.4390, -80.5620, 28.3180

Conversions

Conversions Part 2

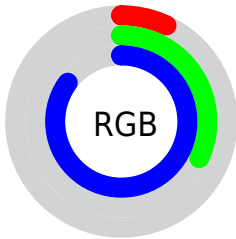
Format	Color
R _Y B	19, 67, 216
Decimal	1266392
CIE Lab	39.80, 33.65, -73.24
CIE LCh	40, 80.603, 294.676
Yxy	11.1292, 0.1685, 0.1197
Android (android.graphics.Color)	4279456472 (0xFF1352D8)
YUV	78.4390, 67.8176, -52.1280
Hunter-Lab	33.3604, 25.4545, -94.3284

Details

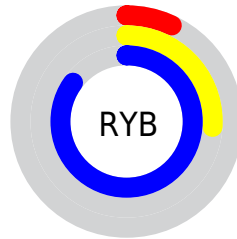
The YIQ color **78.4390, -80.5620, 28.3180** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **156.5610, 80.5620, -28.3180**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.2590, -53.5120, 33.6880**, and **41.1330, -62.0850, 29.3630** is the 20% darker color. If you saturate the color by 10%, you get **65.1270, -88.3110, 31.0890**, and if you desaturate by 10%, it is **93.8220, -71.5750, 25.1370**.

Distribution



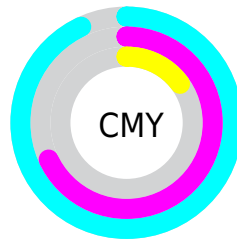
- Red (7%)
- Green (32%)
- Blue (85%)



- Red (7%)
- Yellow (26%)
- Blue (85%)



- Cyan (91%)
- Magenta (62%)
- Yellow (0%)
- Black (15%)



- Cyan (93%)
- Magenta (68%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.4390, -80.5620, 28.3180 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 78.4390, -80.5620, 28.3180 by changing the saturation by 10% instead.

■ 78.4390, -80.5620,
28.3180

■ 78.4390, -80.5620,
28.3180

■ 255.0000, -0.0000,
-0.0000

■ 56.6520, -76.8480,
27.0880

■ 138.2590,
-53.5120, 33.6880

■ 41.1330, -62.0850,
29.3630

■ 163.0890,
-41.5900, 26.8740

■ 27.4890, -48.4680,
30.3800

■ 188.2070,
-30.5390, 19.3250

■ 12.1980, -34.3470,
33.2770

■ 213.3250,
-19.4880, 11.7760

■ 15.6910, -29.0260,
19.4380

■ 239.0300, -8.7120,
3.7040

■ 9.4330, -19.6720,
15.1120

■ 5.1640, -11.7850,

9.8390

■ 1.1400, -3.2100,
3.1100

■ 0.0000, 0.0000,
0.0000

■ 78.4390, -80.5620,
28.3180

■ 78.4390, -80.5620,
28.3180

■ 65.1270, -88.3110,
31.0890

■ 93.8220, -71.5750,
25.1370

■ 108.3190,
-62.9090, 22.2670

■ 123.7020,
-53.9220, 19.0860

■ 138.7860,
-45.5310, 15.6930

■ 153.5820,
-36.2690, 13.0350

■ 168.9650,
-27.2820, 9.8540

■ 184.0490,
-18.8910, 6.4610

■ 198.8450, -9.6290,
3.8030

■ 213.9290, -1.2380,
0.4100

Harmonies

Analogous

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



88.8010, -102.6130, 14.9470



78.4390, -80.5620, 28.3180



84.6340, 30.1560, 70.2520

Triad

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



78.4390, -80.5620, 28.3180



81.9520, 88.2120, 9.2680



78.3860, -58.1300, -36.8340

Complementary

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



78.4390, -80.5620, 28.3180



156.5610, 80.5620, -28.3180

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.



67.5050, -31.6250, -60.1450



78.4390, -80.5620, 28.3180



88.4440, 50.5750, -19.0010

Square

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



78.4390, -80.5620, 28.3180



64.5170, 104.4800, 55.8720



80.4610, 7.2060, -42.5060



87.3120, -80.5080, -16.7320

Rectangle

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



78.4390, -80.5620, 28.3180



71.6300, 71.5100, 80.7100



80.4610, 7.2060, -42.5060



75.0630, -50.1510, -43.7750

Sweetspot

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



78.4390, -80.5620, 28.3180



206.7800, -28.1990, 9.9530



149.5730, -96.2260, -62.2900



99.3050, -16.7360, 5.9520



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



78.4390, -80.5620, 28.3180



77.2040, -104.4050, 36.4190



51.3250, -43.5690, 68.2630



99.6020, -4.6310, 1.3290



51.7790, -70.0160, 24.4160



13.1200, -17.6530, 6.0510

Inverse Universe

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



85.0850, 97.1890, 61.3570



85.5930, 125.6580, 79.5620



183.6750, 43.5690, -68.2630



99.7450, 5.2720, 3.5760



57.3990, 84.2610, 53.3570



14.4530, 21.1340, 13.4700

Previews

White Background



This preview shows how the YIQ color 78.4390, -80.5620, 28.3180 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 × Fail

Black Background



This preview shows how the YIQ color 78.4390, -80.5620, 28.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

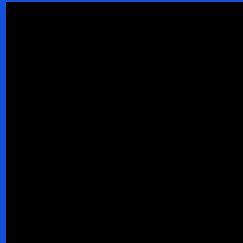
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 78.4390, -80.5620, 28.3180

Background



This preview shows how black text looks on a background with the YIQ color 78.4390, -80.5620, 28.3180.



This preview shows how white text looks on a background with the YIQ color 78.4390, -80.5620,

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

78.4390, -80.5620, 28.3180

Protanopia

74.4900, -85.7400, 12.0200

Deuteranopia

74.9340, -78.7230, 0.4850



Tritanopia

73.5880, -63.9100, -20.1820

Trichromacy



Original Color

78.4390, -80.5620, 28.3180

Protanomaly

75.8480, -83.6320, 17.8720

Deuteranomaly

76.2580, -79.2750, 10.4930

Tritanomaly

75.4310, -70.0570, -2.3850

Monochromacy



Original Color

78.4390, -80.5620, 28.3180

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.0080, -28.8410, 10.5750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.4390, -80.5620, 28.3180 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(19, 82, 216)` looks like.

```
.text, #text, p{  
    color:rgb(19, 82, 216)  
}
```

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(19, 82, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 82, 216) }
```

Border

The CSS property to change the border of an element to YIQ 78.4390, -80.5620, 28.3180 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(19, 82, 216) }
```


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

```
.border{ border-color:rgb(19, 82, 216) }
```

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

Here you see how a box with a 4 pixel rgb(19, 82, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 82, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 82, 216);  
box-shadow:4px 4px 4px 4px rgb(19, 82,  
216) }
```

Background

The CSS property to change the background color of an element to YIQ 78.4390, -80.5620, 28.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 82, 216) }
```

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

```
.background{ background-color: rgb(19, 82,  
216) }
```

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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