

Converting Colors

YIQ(15.7320, -44.2980, 42.9180)

Have a look what the booklet for
YIQ(15.7320, -44.2980, 42.9180)
contains.

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Color

**YIQ(15.7320, -44.2980,
42.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	00008A
RGB	0, 0, 138
RGB Percent	0%, 0%, 54%
CMY	0.9998, 1.0000, 0.4591
CMYK	1.00, 1.00, 0.00, 0.46
HSL	240°, 100%, 27%
HSV	240°, 100%, 54%
XYZ	4.5825, 1.8330, 24.1297
YIQ	15.7320, -44.2980, 42.9180

Conversions

Conversions Part 2

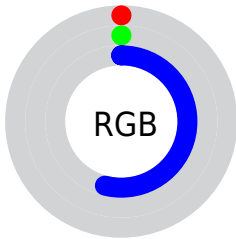
Format	Color
RYB	0, 0, 138
Decimal	138
CIELab	14.59, 50.15, -68.30
CIELCh	15, 84.730, 306.288
Yxy	1.8330, 0.1500, 0.0600
Android (android.graphics.Color)	4278190218 (0xFF00008A)
YUV	15.7320, 60.2781, -13.7970
Hunter-Lab	13.5390, 36.7232, -96.1916

Details

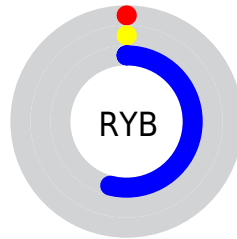
The YIQ color **15.7320, -44.2980, 42.9180** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **122.2680, 44.2980, -42.9180**, and the grayscale version is **15.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **78.2400, -24.9970, 51.0590**, and **9.8040, -27.6060, 26.7460** is the 20% darker color. If you saturate the color by 10%, you get **15.7320, -44.2980, 42.9180**, and if you desaturate by 10%, it is **28.1360, -39.8040, 38.5640**.

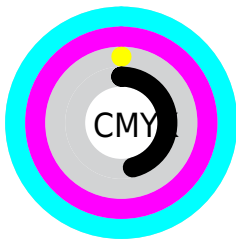
Distribution



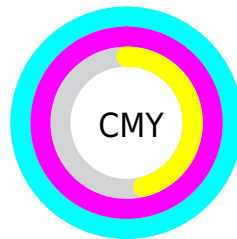
- Red (0%)
- Green (0%)
- Blue (54%)



- Red (0%)
- Yellow (0%)
- Blue (54%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 15.7320, -44.2980, 42.9180 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 15.7320, -44.2980, 42.9180 by changing the saturation by 10% instead.

■ 15.7320, -44.2980,
42.9180

■ 15.7320, -44.2980,
42.9180

■ 245.6080, 4.4000,
8.3680

■ 12.7680, -35.9520,
34.8320

■ 78.2400, -24.9970,
51.0590

■ 9.8040, -27.6060,
26.7460

■ 105.0770,
-22.9800, 53.0520

■ 10.5900, -21.5520,
16.1440

■ 131.7290,
-21.8800, 55.1440

■ 6.2070, -13.3440,
10.5600

■ 156.5310,
-12.7550, 49.4610

■ 2.4110, -5.4110,
4.4530

■ 181.3500, -2.3000,
41.7000

■ 0.0000, 0.0000,
0.0000

■ 206.1690, 8.1550,

33.9390

■ 228.5850, 12.3750,
23.5350

■ 15.7320, -44.2980,
42.9180

■ 28.1360, -39.8040,
38.5640

■ 40.5400, -35.3100,
34.2100

■ 52.0580, -31.1370,
30.1670

■ 64.4620, -26.6430,
25.8130

■ 76.8660, -22.1490,
21.4590

■ 89.2700, -17.6550,
17.1050

■ 101.6740,
-13.1610, 12.7510

■ 113.1920, -8.9880,
8.7080

■ 125.5960, -4.4940,
4.3540

Harmonies

Analogous

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



46.1710, -65.2480, 26.1120



15.7320, -44.2980, 42.9180



42.5090, 37.0370, 50.1650

Triad

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



15.7320, -44.2980, 42.9180



25.6920, 48.3220, 16.3380



36.6970, -30.3040, -12.4800

Complementary

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



15.7320, -44.2980, 42.9180



122.2680, 44.2980, -42.9180

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.



30.5240, -14.3000, -27.1960



15.7320, -44.2980, 42.9180



33.9450, 9.8600, -13.5000

Square

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



15.7320, -44.2980, 42.9180



34.0860, 67.9440, 24.1680



29.3500, -13.7500, -26.1500



45.8850, -50.6640, 4.0880

Rectangle

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



15.7320, -44.2980, 42.9180



43.0320, 60.0090, 41.3290



29.3500, -13.7500, -26.1500



34.3030, -23.5630, -19.0110

Sweetspot

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



15.7320, -44.2980, 42.9180



131.1560, -17.3340, 16.7940



96.7380, -82.2480, -29.2560



60.6480, -10.2720, 9.9520



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



15.7320, -44.2980, 42.9180



20.4060, -57.4590, 55.6690



36.3630, -3.1740, 57.5460



62.7980, -2.2470, 2.1770



15.1620, -42.6930, 41.3630



0.5700, -1.6050, 1.5550

Inverse Universe

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



56.9940, 37.9500, 72.1740



73.8130, 49.5460, 93.3060



101.6370, 3.1740, -57.5460



64.8910, 1.9250, 3.6610



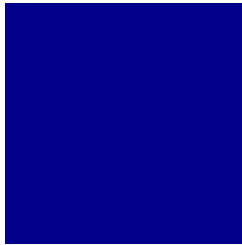
54.9290, 36.5750, 69.5590



2.0650, 1.3750, 2.6150

Previews

White Background



This preview shows how the YIQ color 15.7320, -44.2980, 42.9180 looks on a white background.

Color Contrast Check

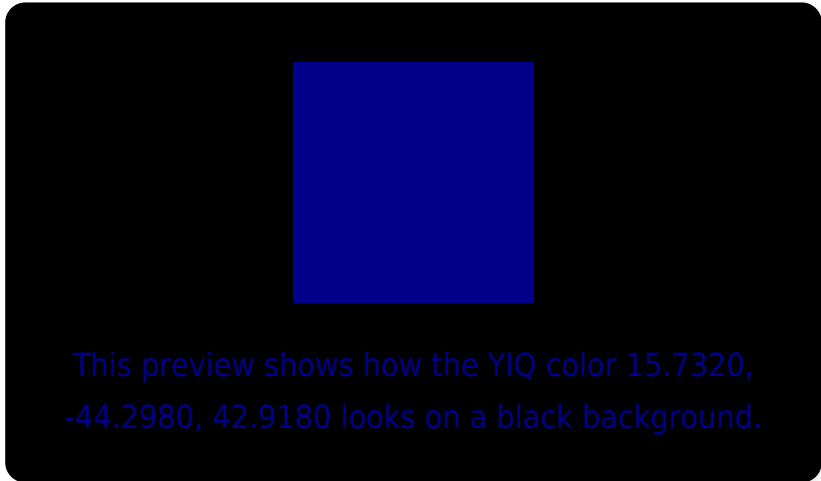
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

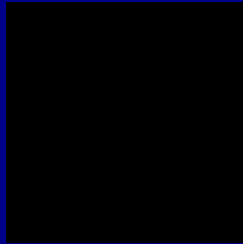
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 15.7320, -44.2980, 42.9180

Background



This preview shows how black text looks on a background with the YIQ color 15.7320, -44.2980, 42.9180.



This preview shows how white text looks on a background with the YIQ color 15.7320, -44.2980,

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

15.7320, -44.2980, 42.9180

Protanopia

33.0560, -37.9640, 5.2040

Deuteranopia

33.3350, -34.6160, -0.4080



Tritanopia

32.4740, -28.0580, -9.1300

Trichromacy



Original Color

15.7320, -44.2980, 42.9180

Protanomaly

26.5310, -40.2590, 19.2690

Deuteranomaly

26.6790, -37.9200, 15.4240

Tritanomaly

26.2570, -33.9760, 10.0240

Monochromacy



Original Color

15.7320, -44.2980, 42.9180

Achromatopsia

16.0000, -0.0000, -0.0000

Achromatomaly

15.7000, -16.0500, 15.5500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 15.7320, -44.2980, 42.9180 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, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 0, 138)  
}
```

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, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 0, 138) }
```

Border

The CSS property to change the border of an element to YIQ 15.7320, -44.2980, 42.9180 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, 0, 138) }
```


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

```
.border{ border-color:rgb(0, 0, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 0, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 0, 138); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 0, 138); box-shadow:4px  
4px 4px 4px rgb(0, 0, 138) }
```

Background

The CSS property to change the background color of an element to YIQ 15.7320, -44.2980, 42.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 0, 138) }
```

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

```
.background{ background-color: rgb(0, 0,  
138) }
```

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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