

Converting Colors

YIQ(16.3710, -33.1560, 39.2280)

Have a look what the booklet for
YIQ(16.3710, -33.1560, 39.2280)
contains.

| | |
|--|----|
| YIQ(16.3710, -33.1560, 39.2280) | 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(16.3710, -33.1560,
39.2280)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 090078 |
| RGB | 9, 0, 120 |
| RGB Percent | 4%, 0%, 47% |
| CMY | 0.9646, 1.0000, 0.5296 |
| CMYK | 0.92, 1.00, 0.00, 0.53 |
| HSL | 245°, 100%, 24% |
| HSV | 245°, 100%, 47% |
| XYZ | 3.4997, 1.4129, 17.8394 |
| YIQ | 16.3710, -33.1560, 39.2280 |

Conversions

Conversions Part 2

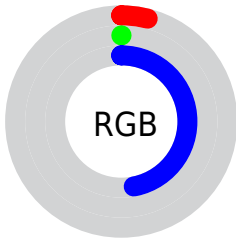
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 9, 0, 120 |
| Decimal | 589944 |
| CIE _{Lab} | 12.04, 45.46, -61.09 |
| CIE _{LCh} | 12, 76.149, 306.658 |
| Yxy | 1.4129, 0.1538, 0.0621 |
| Android (android.graphics.Color) | 4278780024 (0xFF090078) |
| YUV | 16.3710, 51.0891, -6.4644 |
| Hunter-Lab | 11.8866, 31.7525, -80.6616 |

Details

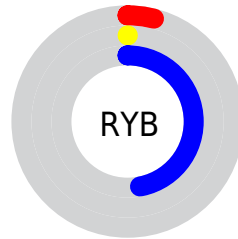
The YIQ color **16.3710, -33.1560, 39.2280** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **103.6290, 33.1560, -39.2280**, and the grayscale version is **16.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **73.7040, -20.7320, 45.3480**, and **7.9800, -22.4700, 21.7700** is the 20% darker color. If you saturate the color by 10%, you get **16.3710, -33.1560, 39.2280**, and if you desaturate by 10%, it is **26.7040, -29.9000, 35.2840**.

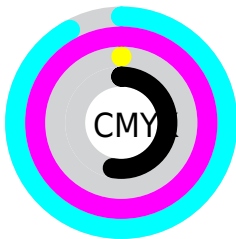
Distribution



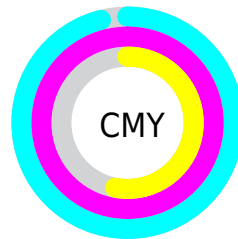
- Red (4%)
- Green (0%)
- Blue (47%)



- Red (4%)
- Yellow (0%)
- Blue (47%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (53%)



- Cyan (96%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 16.3710, -33.1560, 39.2280 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 16.3710, -33.1560, 39.2280 by changing the saturation by 10% instead.

■ 16.3710, -33.1560,
39.2280

■ 16.3710, -33.1560,
39.2280

■ 243.2600, 5.5000,
10.4600

■ 10.7160, -30.1740,
29.2340

■ 73.7040, -20.7320,
45.3480

■ 7.9800, -22.4700,
21.7700

■ 99.6550, -19.0360,
47.6520

■ 7.5920, -15.8660,
12.2140

■ 126.1930,
-17.6150, 49.4330

■ 3.4370, -8.3000,
7.2520

■ 152.9760,
-15.5060, 49.7580

■ 0.0000, 0.0000,
0.0000

■ 176.9090, -5.3720,
42.3080

■ 201.4290, 4.4870,

34.3350

■ 226.2370, 13.4750,
25.6270

■ 16.3710, -33.1560,
39.2280

■ 26.7040, -29.9000,
35.2840

■ 37.0370, -26.6440,
31.3400

■ 47.3700, -23.3880,
27.3960

■ 57.7030, -20.1320,
23.4520

■ 68.0360, -16.8760,
19.5080

■ 78.6680, -13.0240,
15.7760

■ 89.0010, -9.7680,
11.8320

■ 99.3340, -6.5120,
7.8880

■ 109.6670, -3.2560,
3.9440

Harmonies

Analogous

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



39.6680, -56.5820, 23.2420



16.3710, -33.1560, 39.2280



37.2540, 33.1410, 43.6770

Triad

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



16.3710, -33.1560, 39.2280



23.5770, 41.2160, 12.9600



31.9040, -26.4530, -10.6850

Complementary

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



16.3710, -33.1560, 39.2280



103.6290, 33.1560, -39.2280

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.



26.4150, -12.3750, -23.5350



16.3710, -33.1560, 39.2280



28.9280, 8.5300, -11.4220

Square

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



16.3710, -33.1560, 39.2280



29.9000, 59.6000, 21.2000



25.8280, -12.1000, -23.0120



39.7070, -44.2910, 4.2290

Rectangle

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



16.3710, -33.1560, 39.2280



37.4500, 52.7200, 35.7600



25.8280, -12.1000, -23.0120



29.7380, -20.3540, -16.5940

Sweetspot

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



16.3710, -33.1560, 39.2280



115.2550, -13.2990, 15.2530



79.4240, -69.3200, -21.2560



54.7900, -7.7960, 9.1320



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



16.3710, -33.1560, 39.2280



21.3720, -42.9240, 51.0600



34.0120, 2.0080, 51.7360



55.9830, -1.3300, 2.0780



16.9410, -34.7610, 40.7830



34.4090, -69.5680, 82.4000

Inverse Universe

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



48.5340, 35.8890, 59.9610



63.0600, 46.7520, 77.8560



85.9880, -2.0080, -51.7360



57.4780, 1.6500, 3.1380



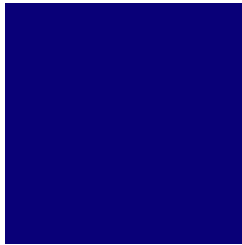
50.5990, 37.2640, 62.5760



101.9100, 75.3990, 125.8870

Previews

White Background



This preview shows how the YIQ color 16.3710, -33.1560, 39.2280 looks on a white background.

Color Contrast Check

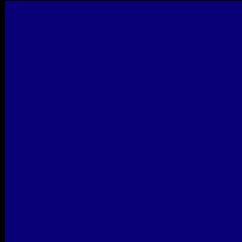
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3710, -33.1560, 39.2280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

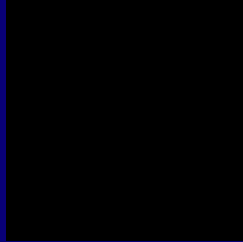
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 16.3710, -33.1560, 39.2280

Background



This preview shows how black text looks on a background with the YIQ color 16.3710, -33.1560, 39.2280.



This preview shows how white text looks on a background with the YIQ color 16.3710, -33.1560,

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

16.3710, -33.1560, 39.2280

Protanopia

28.9810, -33.3790, 4.7090

Deuteranopia

29.3740, -30.3520, -0.5920



Tritanopia

28.8550, -24.7570, -8.3810

Trichromacy



Original Color

16.3710, -33.1560, 39.2280

Protanomaly

24.1850, -33.4730, 17.4310

Deuteranomaly

24.4470, -31.4550, 13.8970

Tritanomaly

24.1390, -27.8320, 8.8080

Monochromacy



Original Color

16.3710, -33.1560, 39.2280

Achromatopsia

16.0000, -0.0000, -0.0000

Achromatomaly

15.9130, -12.3360, 14.3200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 16.3710, -33.1560, 39.2280 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(9, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(9, 0, 120)  
}
```

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(9, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 0, 120) }
```

Border

The CSS property to change the border of an element to YIQ 16.3710, -33.1560, 39.2280 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(9, 0, 120) }
```


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

```
.border{ border-color:rgb(9, 0, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 0, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 0, 120); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 0, 120); box-shadow:4px  
4px 4px 4px rgb(9, 0, 120) }
```

Background

The CSS property to change the background color of an element to YIQ 16.3710, -33.1560, 39.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 0, 120) }
```

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

```
.background{ background-color: rgb(9, 0,  
120) }
```

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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