

Converting Colors

YIQ(78.0160, 12.2390, 14.9830)

Have a look what the booklet for
YIQ(78.0160, 12.2390, 14.9830)
contains.

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Color

**YIQ(78.0160, 12.2390,
14.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	63415A
RGB	99, 65, 90
RGB Percent	39%, 25%, 35%
CMY	0.6117, 0.7451, 0.6470
CMYK	0.00, 0.34, 0.09, 0.61
HSL	316°, 21%, 32%
HSV	316°, 34%, 39%
XYZ	8.8835, 7.1713, 10.5905
YIQ	78.0160, 12.2390, 14.9830

Conversions

Conversions Part 2

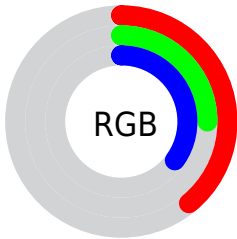
Format	Color
R_YB	99, 65, 90
Decimal	6504794
CIE Lab	32.19, 19.18, -8.88
CIE LCh	32, 21.136, 335.142
Yxy	7.1713, 0.3334, 0.2691
Android (android.graphics.Color)	4284694874 (0xFF63415A)
YUV	78.0160, 5.9081, 18.4030
Hunter-Lab	26.7793, 12.3503, -4.7021

Details

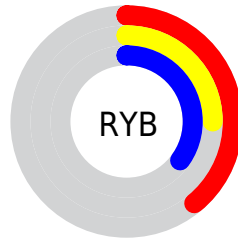
The YIQ color **78.0160, 12.2390, 14.9830** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **85.9840, -12.2390, -14.9830**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **127.1410, 13.3850, 16.2410**, and **32.5920, 10.4970, 13.5130** is the 20% darker color. If you saturate the color by 10%, you get **71.8040, 15.9520, 19.2800**, and if you desaturate by 10%, it is **84.2280, 8.5260, 10.6860**.

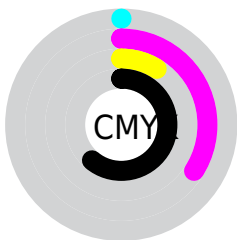
Distribution



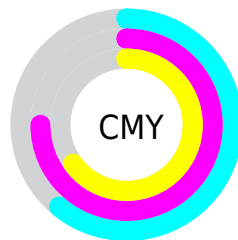
- Red (39%)
- Green (25%)
- Blue (35%)



- Red (39%)
- Yellow (25%)
- Blue (35%)



- Cyan (0%)
- Magenta (34%)
- Yellow (9%)
- Black (61%)



- Cyan (61%)
- Magenta (75%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.0160, 12.2390, 14.9830 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 78.0160, 12.2390, 14.9830 by changing the saturation by 10% instead.

■ 78.0160, 12.2390,
14.9830

■ 78.0160, 12.2390,
14.9830

■ 255.0000, -0.0000,
-0.0000

■ 54.7170, 11.6430,
14.7710

■ 127.1410, 13.3850,
16.2410

■ 32.5920, 10.4970,
13.5130

■ 153.4400, 13.9810,
16.4530

■ 12.3040, 11.3680,
14.2480

■ 180.8530, 14.2560,
16.9760

■ 0.0000, 0.0000,
0.0000

■ 208.2660, 14.5310,
17.4990

■ 234.4720, 10.9550,
16.2270

■ 251.4780, 1.6500,

3.1380

■ 78.0160, 12.2390,
14.9830

■ 78.0160, 12.2390,
14.9830

■ 71.8040, 15.9520,
19.2800

■ 84.2280, 8.5260,
10.6860

■ 65.7060, 19.3440,
23.8880

■ 90.3260, 5.1340,
6.0780

■ 59.4940, 23.0570,
28.1850

■ 96.5380, 1.4210,
1.7810

■ 53.3960, 26.4490,
32.7930

■ 102.7500, -2.2920,
-2.5160

■ 47.1840, 30.1620,
37.0900

■ 108.8480, -5.6840,
-7.1240

■ 41.5590, 33.6000,
40.8640

■ 114.4730, -9.1220,
-10.8980

■ 37.9230, 35.5710,
43.6910

■ 120.5710,
-12.5140, -15.5060

■ 126.7830,
-16.2270, -19.8030

■ 132.9950,
-19.9400, -24.1000

Harmonies

Analogous

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



77.0510, -4.0370, 12.5950



78.0160, 12.2390, 14.9830



77.5950, 23.6100, 12.6500

Triad

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



78.0160, 12.2390, 14.9830



74.5160, 15.6820, -8.8780



61.2200, -50.8900, -13.8500

Complementary

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



78.0160, 12.2390, 14.9830



85.9840, -12.2390, -14.9830

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.



65.6640, -34.7050, -15.3210



78.0160, 12.2390, 14.9830



72.1660, 1.9280, -12.9200

Square

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



78.0160, 12.2390, 14.9830



75.6360, 24.3920, -1.5280



69.4290, -14.9900, -14.6860



67.5900, -39.8880, -3.9840

Rectangle

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



78.0160, 12.2390, 14.9830



76.9280, 26.8660, 8.7060



69.4290, -14.9900, -14.6860



61.5470, -47.4970, -14.7690

Sweetspot

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



78.0160, 12.2390, 14.9830



119.9130, 4.8590, 5.5550



71.2680, -6.1460, 12.2700



59.0760, 2.8420, 3.5620



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



78.0160, 12.2390, 14.9830



95.2930, 19.0690, 23.3650



76.0780, 17.6960, 9.6960



45.5380, 1.4210, 1.7810



42.8360, 40.4300, 49.2460



91.8240, 86.5440, 105.6160

Inverse Universe

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



78.0160, 12.2390, 14.9830



95.2930, 19.0690, 23.3650



87.9220, -17.6960, -9.6960



45.5380, 1.4210, 1.7810



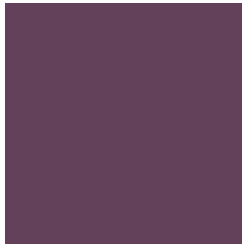
42.8360, 40.4300, 49.2460



91.8240, 86.5440, 105.6160

Previews

White Background



This preview shows how the YIQ color 78.0160, 12.2390, 14.9830 looks on a white background.

Color Contrast Check

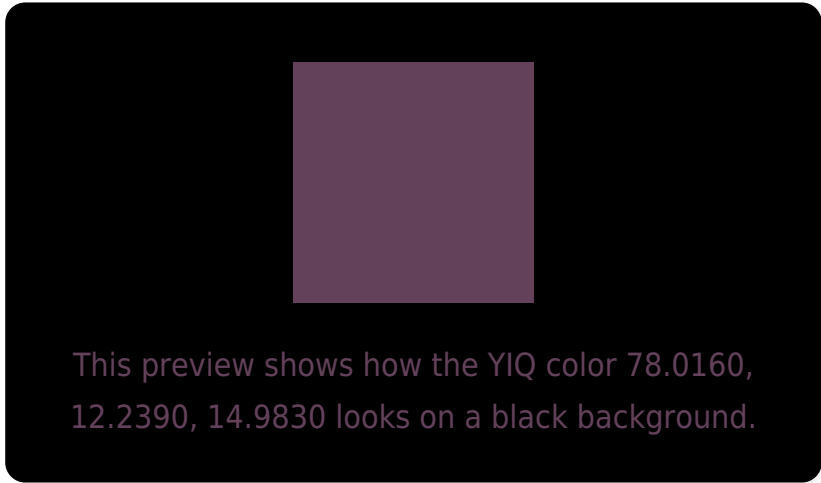
Large Text (above 18pt) WCAG AA ✓ Pass

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

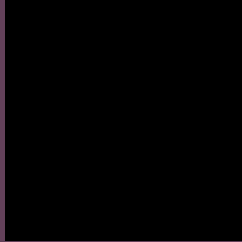
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.0160, 12.2390, 14.9830

Background



This preview shows how black text looks on a background with the YIQ color 78.0160, 12.2390, 14.9830.

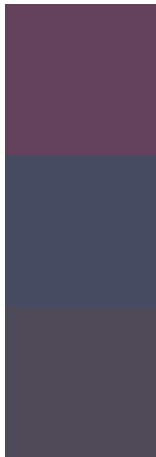


This preview shows how white text looks on a background with the YIQ color 78.0160, 12.2390,

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

78.0160, 12.2390, 14.9830

Protanopia

76.0130, -10.0420, 5.7820

Deuteranopia

76.7920, -2.1100, 5.2020



Tritanopia

77.2410, 15.6790, 7.7030

Trichromacy



Original Color

78.0160, 12.2390, 14.9830

Protanomaly

76.6120, -1.4230, 9.2730

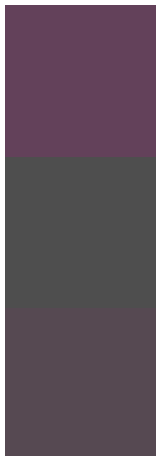
Deuteranomaly

77.5370, 3.1620, 8.7780

Tritanomaly

77.6370, 14.6240, 10.3040

Monochromacy



Original Color

78.0160, 12.2390, 14.9830

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.9130, 4.8590, 5.5550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.0160, 12.2390, 14.9830 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(99, 65, 90)` looks like.

```
.text, #text, p{  
    color:rgb(99, 65, 90)  
}
```

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(99, 65, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 65, 90) }
```

Border

The CSS property to change the border of an element to YIQ 78.0160, 12.2390, 14.9830 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(99, 65, 90) }
```


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

```
.border{ border-color:rgb(99, 65, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 65, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 65, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 65, 90);  
box-shadow:4px 4px 4px 4px rgb(99, 65, 90)  
}
```

Background

The CSS property to change the background color of an element to YIQ 78.0160, 12.2390, 14.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 65, 90) }
```

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

```
.background{ background-color: rgb(99, 65,  
90) }
```

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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