

Converting Colors

YIQ(78.9010, -12.0620, 20.3700)

Have a look what the booklet for
YIQ(78.9010, -12.0620, 20.3700)
contains.

YIQ(78.9010, -12.0620, 20.3700)	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(78.9010, -12.0620,
20.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	50457F
RGB	80, 69, 127
RGB Percent	31%, 27%, 50%
CMY	0.6862, 0.7294, 0.5021
CMYK	0.37, 0.46, 0.00, 0.50
HSL	251°, 30%, 38%
HSV	251°, 46%, 50%
XYZ	9.2667, 7.4935, 21.0286
YIQ	78.9010, -12.0620, 20.3700

Conversions

Conversions Part 2

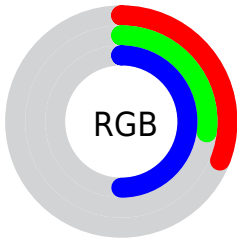
Format	Color
R_{YB}	80, 69, 127
Decimal	5260671
CIE _{Lab}	32.91, 19.33, -31.29
CIE _{LCh}	33, 36.776, 301.707
Yxy	7.4935, 0.2452, 0.1983
Android (android.graphics.Color)	4283450751 (0xFF50457F)
YUV	78.9010, 23.7128, 0.9638
Hunter-Lab	27.3743, 12.5201, -26.3837

Details

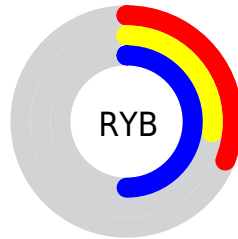
The YIQ color $78.9010, -12.0620, 20.3700$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $117.0990, 12.0620, -20.3700$, and the grayscale version is $79.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $128.3680, -11.8790, 22.5610$, and $33.3090, -13.3910, 16.9210$ is the 20% darker color. If you saturate the color by 10%, you get $68.2800, -14.4470, 25.0490$, and if you desaturate by 10%, it is $89.5220, -9.6770, 15.6910$.

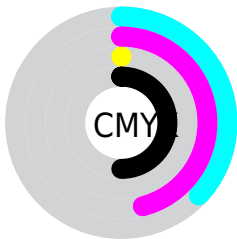
Distribution



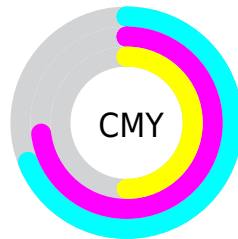
- Red (31%)
- Green (27%)
- Blue (50%)



- Red (31%)
- Yellow (27%)
- Blue (50%)



- Cyan (37%)
- Magenta (46%)
- Yellow (0%)
- Black (50%)



- Cyan (69%)
- Magenta (73%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.9010, -12.0620, 20.3700 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 78.9010, -12.0620, 20.3700 by changing the saturation by 10% instead.

■ 78.9010, -12.0620,
20.3700

■ 78.9010, -12.0620,
20.3700

■ 255.0000, -0.0000,
-0.0000

■ 55.6620, -12.8870,
18.8010

■ 128.3680,
-11.8790, 22.5610

■ 33.3090, -13.3910,
16.9210

■ 154.8950,
-11.9250, 23.3950

■ 8.5480, -12.5660,
18.4900

■ 182.3080,
-11.6500, 23.9180

■ 4.8220, -10.8220,
8.9060

■ 208.6950, -8.4860,
21.6420

■ 0.4560, -1.2840,
1.2440

■ 233.5030, 0.5020,
12.9340

■ 0.0000, 0.0000,
0.0000

253.8260, 0.5500,

1.0460

■ 78.9010, -12.0620,
20.3700

■ 78.9010, -12.0620,
20.3700

■ 68.2800, -14.4470,
25.0490

■ 89.5220, -9.6770,
15.6910

■ 57.9470, -17.7030,
28.9930

■ 99.8550, -6.4210,
11.7470

■ 47.3260, -20.0880,
33.6720

■ 110.4760, -4.0360,
7.0680

■ 36.7050, -22.4730,
38.3510

■ 121.0970, -1.6510,
2.3890

■ 26.6710, -25.1330,
42.5070

■ 131.1310, 1.0090,
-1.7670

■ 21.6540, -26.4630,
44.5850

■ 142.0510, 3.9900,
-6.2340

■ 152.6720, 6.3750,
-10.9130

■ 163.2930, 8.7600,
-15.5920

■ 173.6260, 12.0160,
-19.5360

Harmonies

Analogous

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



62.3500, -65.3350, 0.1450



78.9010, -12.0620, 20.3700



79.5150, 18.5640, 27.0120

Triad

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



78.9010, -12.0620, 20.3700



75.6780, 41.7690, -2.5750



62.3090, -50.0630, -23.3350

Complementary

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



78.9010, -12.0620, 20.3700



117.0990, 12.0620, -20.3700

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.



62.0150, -31.8600, -28.3400



78.9010, -12.0620, 20.3700



73.3030, 29.1630, -16.4130

Square

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



78.9010, -12.0620, 20.3700



76.1430, 45.4340, 13.6100



70.5820, 6.1480, -23.3240



65.6150, -59.3720, -14.3160

Rectangle

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



78.9010, -12.0620, 20.3700



77.5290, 33.1440, 27.0960



70.5820, 6.1480, -23.3240



61.1690, -46.8530, -26.4450

Sweetspot

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



78.9010, -12.0620, 20.3700



146.8180, -4.9990, 8.0010



103.2010, -31.5430, -6.5430



72.4930, -2.7060, 4.9900



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



78.9010, -12.0620, 20.3700



90.4570, -19.0790, 31.9050



87.5720, 5.2220, 26.5180



58.3960, -1.0550, 2.6010



21.7680, -26.7840, 44.8960



0.0000, 0.0000, 0.0000

Inverse Universe

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



91.7000, 19.4810, 26.9130



110.5310, 30.8030, 41.9950



108.4280, -5.2220, -26.5180



59.7770, 2.2460, 3.3500



50.0140, 43.2250, 59.1690



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 78.9010, -12.0620, 20.3700 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 78.9010, -12.0620, 20.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

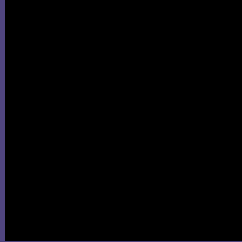
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.9010, -12.0620, 20.3700

Background



This preview shows how black text looks on a background with the YIQ color 78.9010, -12.0620, 20.3700.



This preview shows how white text looks on a background with the YIQ color 78.9010, -12.0620,

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

78.9010, -12.0620, 20.3700

Protanopia

75.3220, -32.6010, 12.6390

Deuteranopia

74.6870, -32.3710, 8.4690



Tritanopia

77.2920, -6.6940, 0.1700

Trichromacy



Original Color

78.9010, -12.0620, 20.3700

Protanomaly

76.3230, -25.1740, 15.7060

Deuteranomaly

76.3290, -25.3110, 12.6810

Tritanomaly

77.5510, -8.6210, 7.5630

Monochromacy



Original Color

78.9010, -12.0620, 20.3700

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.5900, -4.3570, 7.3790

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.9010, -12.0620, 20.3700 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(80, 69, 127)` looks like.

```
.text, #text, p{  
    color:rgb(80, 69, 127)  
}
```

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(80, 69, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 69, 127) }
```

Border

The CSS property to change the border of an element to YIQ 78.9010, -12.0620, 20.3700 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(80, 69, 127) }
```


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

```
.border{ border-color:rgb(80, 69, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 69, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 69, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 69, 127);  
box-shadow:4px 4px 4px 4px rgb(80, 69,  
127) }
```

Background

The CSS property to change the background color of an element to YIQ 78.9010, -12.0620, 20.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 69, 127) }
```

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

```
.background{ background-color: rgb(80, 69,  
127) }
```

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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