

Converting Colors

YIQ(77.1760, -12.0590, 3.7890)

Have a look what the booklet for
YIQ(77.1760, -12.0590, 3.7890)
contains.

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Color

**YIQ(77.1760, -12.0590,
3.7890)**

Conversions

Conversions Part 1

Format	Color
Hex	444E61
RGB	68, 78, 97
RGB Percent	27%, 31%, 38%
CMY	0.7333, 0.6941, 0.6197
CMYK	0.30, 0.20, 0.00, 0.62
HSL	219°, 18%, 32%
HSV	219°, 30%, 38%
XYZ	7.2653, 7.5410, 12.3780
YIQ	77.1760, -12.0590, 3.7890

Conversions

Conversions Part 2

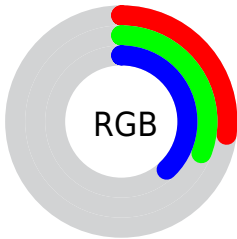
Format	Color
R_{YB}	68, 75, 97
Decimal	4476513
CIE Lab	33.01, 0.96, -12.39
CIE LCh	33, 12.426, 274.415
Yxy	7.5410, 0.2673, 0.2774
Android (android.graphics.Color)	4282666593 (0xFF444E61)
YUV	77.1760, 9.7732, -8.0474
Hunter-Lab	27.4609, -0.8309, -7.5024

Details

The YIQ color **77.1760, -12.0590, 3.7890** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **87.8240, 12.0590, -3.7890**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.4040, -12.7010, 4.4110**, and **32.6490, -12.0130, 2.9550** is the 20% darker color. If you saturate the color by 10%, you get **70.6640, -16.3690, 4.8070**, and if you desaturate by 10%, it is **83.6880, -7.7490, 2.7710**.

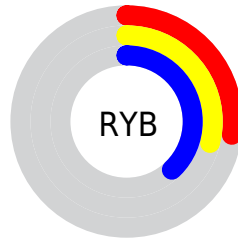
Distribution



Red (27%)

Green (31%)

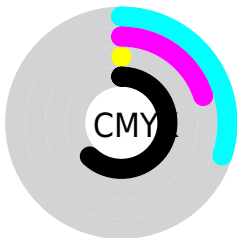
Blue (38%)



Red (27%)

Yellow (29%)

Blue (38%)

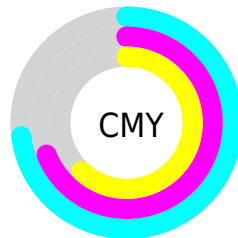


Cyan (30%)

Magenta (20%)

Yellow (0%)

Black (62%)



Cyan (73%)

Magenta (69%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.1760, -12.0590, 3.7890 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 77.1760, -12.0590, 3.7890 by changing the saturation by 10% instead.

■ 77.1760, -12.0590,
3.7890

■ 77.1760, -12.0590,
3.7890

■ 255.0000, -0.0000,
-0.0000

■ 54.0620, -11.7380,
3.4780

■ 126.4040,
-12.7010, 4.4110

■ 32.6490, -12.0130,
2.9550

■ 152.4040,
-12.7010, 4.4110

■ 9.8770, -12.6550,
3.5770

■ 179.2190,
-13.6180, 4.5100

■ 0.1140, -0.3210,
0.3110

■ 206.6320,
-13.3430, 5.0330

■ 0.0000, 0.0000,
0.0000

■ 234.2900,
-12.3800, 4.1000

254.4020, -1.1920,

-0.4240

■ 77.1760, -12.0590,
3.7890

■ 77.1760, -12.0590,
3.7890

■ 70.6640, -16.3690,
4.8070

■ 83.6880, -7.7490,
2.7710

■ 63.8640, -19.8080,
6.5600

■ 90.4880, -4.3100,
1.0180

■ 57.3520, -24.1180,
7.5780

■ 97.0000, -0.0000,
0.0000

■ 50.8400, -28.4280,
8.5960

■ 103.5120, 4.3100,
-1.0180

■ 44.0400, -31.8670,
10.3490

■ 110.3120, 7.7490,
-2.7710

■ 37.5280, -36.1770,
11.3670

■ 116.8240, 12.0590,
-3.7890

■ 31.0160, -40.4870,
12.3850

■ 123.3360, 16.3690,
-4.8070

■ 30.4290, -40.2120,
12.9080

■ 130.4350, 20.4040,
-6.3480

■ 136.6480, 24.1180,
-7.5780

Harmonies

Analogous

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



75.1210, -19.3940, -0.9460



77.1760, -12.0590, 3.7890



78.9600, -2.5230, 7.1810

Triad

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



77.1760, -12.0590, 3.7890



78.9050, 16.5050, 3.7450



74.5380, -7.7470, -8.2830

Complementary

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



77.1760, -12.0590, 3.7890



87.8240, 12.0590, -3.7890

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.



75.7410, 1.9270, -7.3930



77.1760, -12.0590, 3.7890



77.7860, 15.2220, -0.5380

Square

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



77.1760, -12.0590, 3.7890



79.3440, 13.8910, 7.0670



76.9270, 10.2710, -4.4250



73.5740, -16.5960, -7.6040

Rectangle

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



77.1760, -12.0590, 3.7890



79.6080, 4.4000, 8.3680



76.9270, 10.2710, -4.4250



75.0930, -4.9960, -8.5800

Sweetspot

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



77.1760, -12.0590, 3.7890



117.6020, -4.6310, 1.3290



87.1890, -14.0740, -9.2580



58.9720, -2.7970, 1.1310



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.



77.1760, -12.0590, 3.7890



93.9350, -18.5700, 6.1500



72.5020, -6.9250, 9.8670



45.0430, -1.5590, 0.7210



35.6610, -46.6770, 14.4350



76.0810, -99.8650, 31.2310

Inverse Universe

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



77.8110, 14.0740, 9.2580



95.1650, 22.0050, 14.2050



92.4980, 6.9250, -9.8670



45.3100, 2.0630, 1.1590



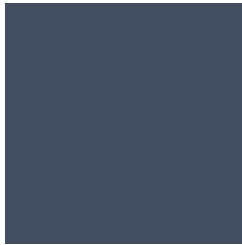
37.9340, 54.2330, 35.8730



81.2220, 116.3970, 76.6930

Previews

White Background



This preview shows how the YIQ color 77.1760, -12.0590, 3.7890 looks on a white background.

Color Contrast Check

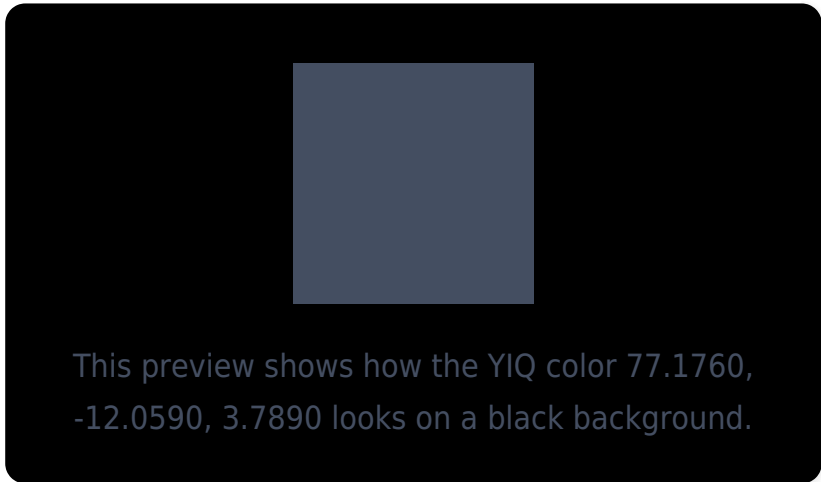
Large Text (above 18pt) WCAG AA ✓ Pass

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

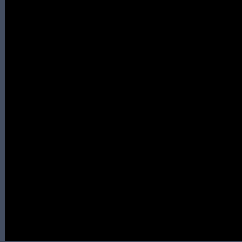
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

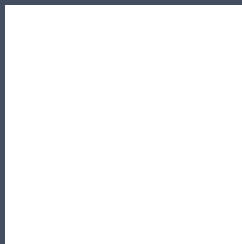
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 77.1760, -12.0590, 3.7890

Background



This preview shows how black text looks on a background with the YIQ color 77.1760, -12.0590, 3.7890.



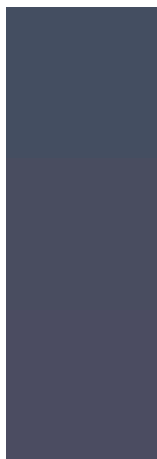
This preview shows how white text looks on a background with the YIQ color 77.1760, -12.0590,

3.7890.

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

77.1760, -12.0590, 3.7890

Protanopia

77.9700, -8.4830, 5.0610

Deuteranopia

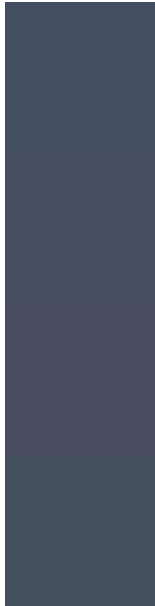
78.0950, -7.3370, 6.3190



Tritanopia

76.4980, -10.2700, -1.1020

Trichromacy



Original Color

77.1760, -12.0590, 3.7890

Protanomaly

77.3720, -9.6750, 4.6370

Deuteranomaly

77.7850, -9.4000, 5.1600

Tritanomaly

76.6660, -10.6830, 0.8770

Monochromacy



Original Color

77.1760, -12.0590, 3.7890

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

76.9010, -4.0350, 1.5410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.1760, -12.0590, 3.7890 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(68, 78, 97)` looks like.

```
.text, #text, p{  
    color:rgb(68, 78, 97)  
}
```

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(68, 78, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 78, 97) }
```

Border

The CSS property to change the border of an element to YIQ 77.1760, -12.0590, 3.7890 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(68, 78, 97) }
```


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

```
.border{ border-color:rgb(68, 78, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 78, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 78, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 78, 97);  
box-shadow:4px 4px 4px 4px rgb(68, 78, 97)  
}
```

Background

The CSS property to change the background color of an element to YIQ 77.1760, -12.0590, 3.7890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 78, 97) }
```

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

```
.background{ background-color: rgb(68, 78,  
97) }
```

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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