

Converting Colors

YIQ(85.1760, -12.0590, 3.7890)

Have a look what the booklet for
YIQ(85.1760, -12.0590, 3.7890)
contains.

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Color

**YIQ(85.1760, -12.0590,
3.7890)**

Conversions

Conversions Part 1

Format	Color
Hex	4C5669
RGB	76, 86, 105
RGB Percent	30%, 34%, 41%
CMY	0.7020, 0.6627, 0.5883
CMYK	0.28, 0.18, 0.00, 0.59
HSL	219°, 16%, 35%
HSV	219°, 28%, 41%
XYZ	8.8574, 9.2122, 14.6716
YIQ	85.1760, -12.0590, 3.7890

Conversions

Conversions Part 2

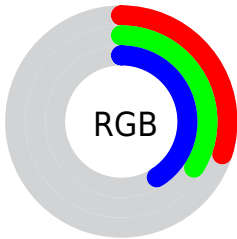
Format	Color
R_{YB}	76, 83, 105
Decimal	5002857
CIE Lab	36.39, 0.87, -12.21
CIE LCh	36, 12.238, 274.070
Yxy	9.2122, 0.2705, 0.2814
Android (android.graphics.Color)	4283192937 (0xFF4C5669)
YUV	85.1760, 9.7732, -8.0474
Hunter-Lab	30.3516, -1.0247, -7.4139

Details

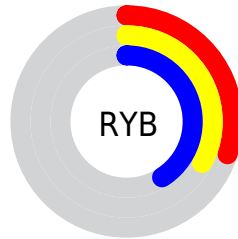
The YIQ color **85.1760, -12.0590, 3.7890** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **95.8240, 12.0590, -3.7890**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **134.9910, -12.9760, 3.8880**, and **39.9480, -11.4170, 3.1670** is the 20% darker color. If you saturate the color by 10%, you get **77.7780, -16.6900, 5.1180**, and if you desaturate by 10%, it is **92.2750, -8.0240, 2.2480**.

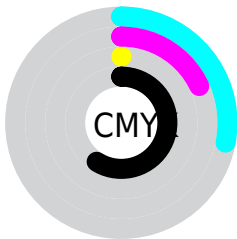
Distribution



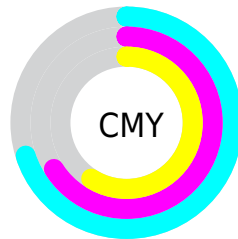
- Red (30%)
- Green (34%)
- Blue (41%)



- Red (30%)
- Yellow (33%)
- Blue (41%)



- Cyan (28%)
- Magenta (18%)
- Yellow (0%)
- Black (59%)



- Cyan (70%)
- Magenta (66%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.1760, -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 85.1760, -12.0590, 3.7890 by changing the saturation by 10% instead.

■ 85.1760, -12.0590,
3.7890

■ 85.1760, -12.0590,
3.7890

■ 255.0000, -0.0000,
-0.0000

■ 62.0620, -11.7380,
3.4780

■ 134.9910,
-12.9760, 3.8880

■ 39.9480, -11.4170,
3.1670

■ 161.4040,
-12.7010, 4.4110

■ 19.1220, -11.9670,
2.1210

■ 188.2190,
-13.6180, 4.5100

■ 2.1830, -4.7690,
3.8310

■ 216.2190,
-13.6180, 4.5100

■ 0.0000, 0.0000,
0.0000

■ 242.8510, -9.7660,
0.7780

■ 85.1760, -12.0590,
3.7890

■ 85.1760, -12.0590,
3.7890

■ 77.7780, -16.6900,
5.1180

■ 92.2750, -8.0240,
2.2480

■ 70.6790, -20.7250,
6.6590

■ 99.6730, -3.3930,
0.9190

■ 63.5800, -24.7600,
8.2000

■ 106.7720, 0.6420,
-0.6220

■ 56.7690, -29.6660,
9.0060

■ 114.1700, 5.2730,
-1.9510

■ 49.6700, -33.7010,
10.5470

■ 120.6820, 9.5830,
-2.9690

■ 42.2720, -38.3320,
11.8760

■ 128.0800, 14.2140,
-4.2980

■ 35.1730, -42.3670,
13.4170

■ 135.1790, 18.2490,
-5.8390

■ 33.1020, -43.6050,

■ 142.5770, 22.8800,

13.8270

-7.1680

 149.6760, 26.9150,
-8.7090

Harmonies

Analogous

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



83.1210, -19.3940, -0.9460



85.1760, -12.0590, 3.7890



86.9600, -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.



85.1760, -12.0590, 3.7890



86.9050, 16.5050, 3.7450



82.5380, -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.



85.1760, -12.0590, 3.7890



95.8240, 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.



83.7410, 1.9270, -7.3930



85.1760, -12.0590, 3.7890



86.0850, 15.8180, -0.3260

Square

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



85.1760, -12.0590, 3.7890



87.4580, 13.5700, 7.3780



84.9270, 10.2710, -4.4250



81.5740, -16.5960, -7.6040

Rectangle

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



85.1760, -12.0590, 3.7890



87.3090, 3.8040, 8.1560



84.9270, 10.2710, -4.4250



83.0930, -4.9960, -8.5800

Sweetspot

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



85.1760, -12.0590, 3.7890



130.0150, -4.3560, 1.8520



95.1890, -14.0740, -9.2580



63.9720, -2.7970, 1.1310



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



85.1760, -12.0590, 3.7890



106.6360, -19.1660, 5.9380



80.5020, -6.9250, 9.8670



49.8580, -2.4760, 0.8200



36.8180, -48.5570, 15.4670



77.8250, -102.0200, 31.7400

Inverse Universe

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



85.8110, 14.0740, 9.2580



107.5780, 22.2800, 14.7280



100.4980, 6.9250, -9.8670



50.0220, 2.9340, 1.8940



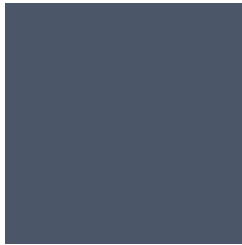
39.5430, 56.8920, 37.2440



82.9450, 118.7350, 78.3750

Previews

White Background



This preview shows how the YIQ color 85.1760, -12.0590, 3.7890 looks on a white background.

Color Contrast Check

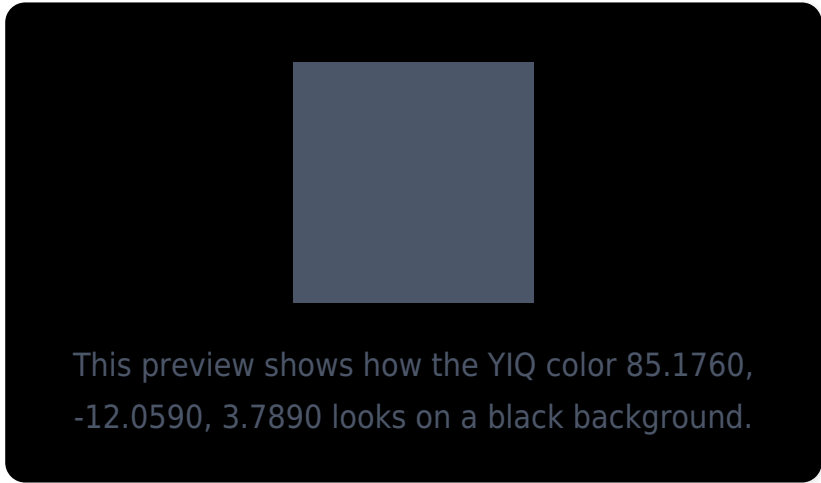
Large Text (above 18pt) WCAG AA ✓ Pass

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

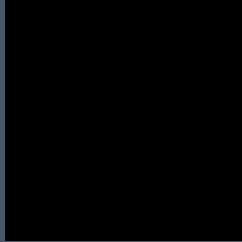
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

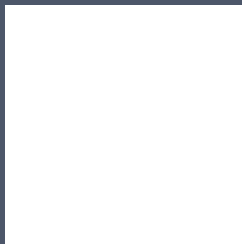
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 85.1760, -12.0590, 3.7890

Background



This preview shows how black text looks on a background with the YIQ color 85.1760, -12.0590, 3.7890.



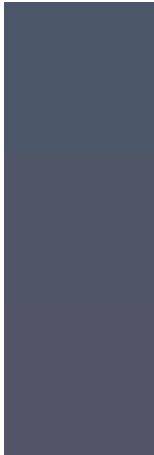
This preview shows how white text looks on a background with the YIQ color 85.1760, -12.0590,

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

85.1760, -12.0590, 3.7890

Protanopia

85.9700, -8.4830, 5.0610

Deuteranopia

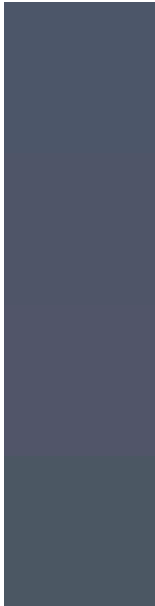
86.3940, -6.7410, 6.5310



Tritanopia

84.6120, -10.5910, -0.7910

Trichromacy



Original Color

85.1760, -12.0590, 3.7890

Protanomaly

85.3720, -9.6750, 4.6370

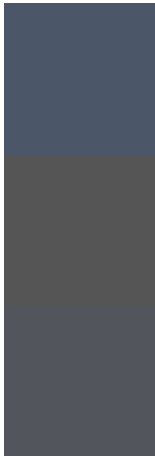
Deuteranomaly

86.0840, -8.8040, 5.3720

Tritanomaly

84.7800, -11.0040, 1.1880

Monochromacy



Original Color

85.1760, -12.0590, 3.7890

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

84.9010, -4.0350, 1.5410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.1760, -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(76, 86, 105)` looks like.

```
.text, #text, p{  
    color:rgb(76, 86, 105)  
}
```

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(76, 86, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 86, 105) }
```

Border

The CSS property to change the border of an element to YIQ 85.1760, -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(76, 86, 105) }
```


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

```
.border{ border-color:rgb(76, 86, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 86, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 86, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 86, 105);  
box-shadow:4px 4px 4px 4px rgb(76, 86,  
105) }
```

Background

The CSS property to change the background color of an element to YIQ 85.1760, -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(76, 86, 105) }
```

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

```
.background{ background-color: rgb(76, 86,  
105) }
```

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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