

Converting Colors

YIQ(87.8700, -2.7500, -5.2300)

Have a look what the booklet for
YIQ(87.8700, -2.7500, -5.2300)
contains.

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Color

**YIQ(87.8700, -2.7500,
-5.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	525C52
RGB	82, 92, 82
RGB Percent	32%, 36%, 32%
CMY	0.6785, 0.6392, 0.6784
CMYK	0.11, 0.00, 0.11, 0.64
HSL	120°, 6%, 34%
HSV	120°, 11%, 36%
XYZ	8.8295, 10.0577, 9.4584
YIQ	87.8700, -2.7500, -5.2300

Conversions

Conversions Part 2

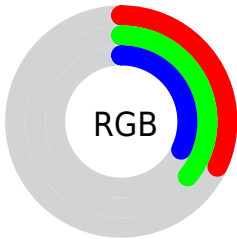
Format	Color
R_{YB}	82, 92, 92
Decimal	5397586
CIE _{Lab}	37.95, -6.08, 4.43
CIE _{LCh}	38, 7.522, 143.884
Yxy	10.0577, 0.3115, 0.3548
Android (android.graphics.Color)	4283587666 (0xFF525C52)
YUV	87.8700, -2.8939, -5.1480
Hunter-Lab	31.7139, -5.8030, 4.5169

Details

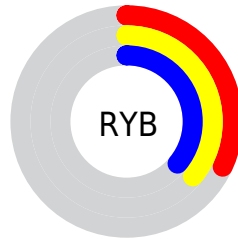
The YIQ color **87.8700, -2.7500, -5.2300** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **86.1300, 2.7500, 5.2300**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.4570, -3.0250, -5.7530**, and **42.2830, -2.4750, -4.7070** is the 20% darker color. If you saturate the color by 10%, you get **84.1530, -5.2250, -9.9370**, and if you desaturate by 10%, it is **91.5870, -0.2750, -0.5230**.

Distribution



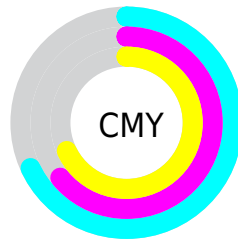
- Red (32%)
- Green (36%)
- Blue (32%)



- Red (32%)
- Yellow (36%)
- Blue (36%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (64%)



- Cyan (68%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.8700, -2.7500, -5.2300 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 87.8700, -2.7500, -5.2300 by changing the saturation by 10% instead.

■ 87.8700, -2.7500,
-5.2300

■ 87.8700, -2.7500,
-5.2300

■ 255.0000, -0.0000,
-0.0000

■ 64.2830, -2.4750,
-4.7070

■ 137.4570, -3.0250,
-5.7530

■ 42.2830, -2.4750,
-4.7070

■ 164.0440, -3.3000,
-6.2760

■ 22.2830, -2.4750,
-4.7070

■ 191.0440, -3.3000,
-6.2760

■ 0.0000, 0.0000,
0.0000

■ 219.0440, -3.3000,
-6.2760

■ 247.0440, -3.3000,
-6.2760

■ 87.8700, -2.7500,
-5.2300

■ 87.8700, -2.7500,
-5.2300

■ 84.1530, -5.2250,
-9.9370

■ 91.5870, -0.2750,
-0.5230

■ 80.4360, -7.7000,
-14.6440

■ 95.3040, 2.2000,
4.1840

■ 76.3060, -10.4500,
-19.8740

■ 99.4340, 4.9500,
9.4140

■ 72.5890, -12.9250,
-24.5810

■ 103.1510, 7.4250,
14.1210

■ 68.8720, -15.4000,
-29.2880

■ 106.8680, 9.9000,
18.8280

■ 65.1550, -17.8750,
-33.9950

■ 110.5850, 12.3750,
23.5350

■ 61.4380, -20.3500,
-38.7020


■ 114.3020, 14.8500,
28.2420


■ 57.3080, -23.1000,

■ 118.4320, 17.6000,

-43.9320

33.4720

 54.0040, -25.3000,
-48.1160

 122.1490, 20.0750,
38.1790

Harmonies

Analogous

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



88.3330, 3.2560, -3.9440



87.8700, -2.7500, -5.2300



87.3470, -8.5270, -5.1590

Triad

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



87.8700, -2.7500, -5.2300



88.5630, -8.8950, 1.5130



90.0830, 10.1320, 3.6040

Complementary

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



87.8700, -2.7500, -5.2300



86.1300, 2.7500, 5.2300

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.



90.4680, 7.6100, 5.2580



87.8700, -2.7500, -5.2300



89.6670, -3.2560, 3.9440

Square

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



87.8700, -2.7500, -5.2300



88.0140, -11.7830, -1.2150



90.2440, 2.4290, 5.5410



90.0890, 9.9950, 0.5790

Rectangle

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



87.8700, -2.7500, -5.2300



87.2050, -11.0030, -4.3390



90.2440, 2.4290, 5.5410



90.3110, 9.4900, 4.2260

Sweetspot

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



87.8700, -2.7500, -5.2300



118.3480, -1.1000, -2.0920



90.8600, 3.2100, -3.1100



60.1740, -0.5500, -1.0460



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



87.8700, -2.7500, -5.2300



113.3920, -4.4000, -8.3680



88.4400, -4.3550, -3.6750



43.9350, -1.3750, -2.6150



64.5700, -30.2500, -57.5300



139.1190, -65.1750, -123.9510

Inverse Universe

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



86.1300, 2.7500, 5.2300



110.6080, 4.4000, 8.3680



85.5600, 4.3550, 3.6750



43.0650, 1.3750, 2.6150



45.4300, 30.2500, 57.5300



97.8810, 65.1750, 123.9510

Previews

White Background



This preview shows how the YIQ color 87.8700, -2.7500, -5.2300 looks on a white background.

Color Contrast Check

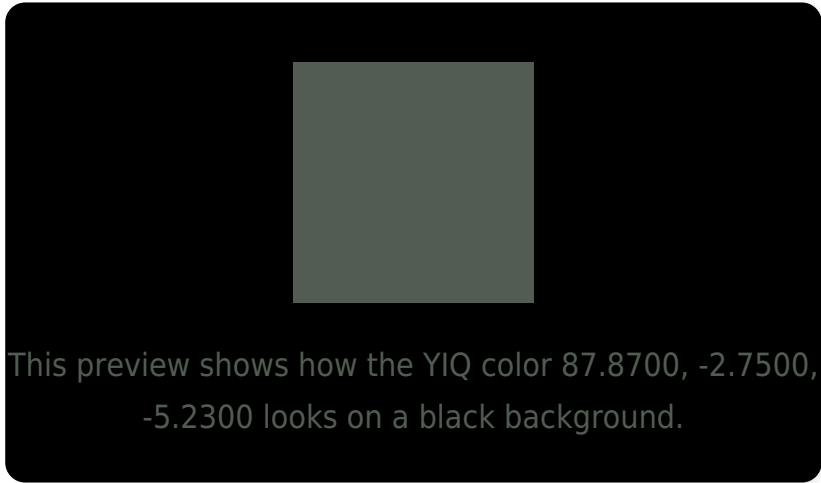
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

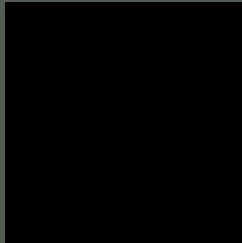
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

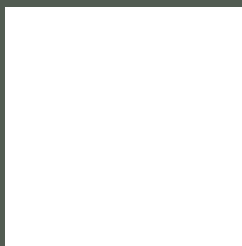
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 87.8700, -2.7500, -5.2300

Background



This preview shows how black text looks on a background with the YIQ color 87.8700, -2.7500, -5.2300.



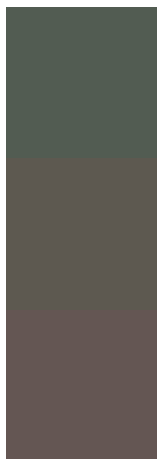
This preview shows how white text looks on a background with the YIQ color 87.8700, -2.7500, -5.2300.

-5.2300.

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

87.8700, -2.7500, -5.2300

Protanopia

89.1700, 5.2730, -1.9510

Deuteranopia

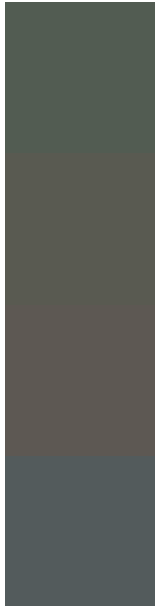
89.8440, 9.3070, 2.0350



Tritanopia

89.0040, -5.8230, 0.9050

Trichromacy



Original Color

87.8700, -2.7500, -5.2300

Protanomaly

88.6750, 2.2930, -3.0110

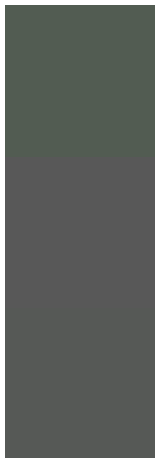
Deuteranomaly

88.9250, 4.5850, -0.4950

Tritanomaly

88.7220, -5.0890, -1.3850

Monochromacy



Original Color

87.8700, -2.7500, -5.2300

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.7610, -0.8250, -1.5690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8700, -2.7500, -5.2300 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(82, 92, 82)` looks like.

```
.text, #text, p{  
    color:rgb(82, 92, 82)  
}
```

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(82, 92, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 92, 82) }
```

Border

The CSS property to change the border of an element to YIQ 87.8700, -2.7500, -5.2300 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(82, 92, 82) }
```


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

```
.border{ border-color:rgb(82, 92, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 92, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 92, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 92, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 92, 82)  
}
```

Background

The CSS property to change the background color of an element to YIQ 87.8700, -2.7500, -5.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 92, 82) }
```

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

```
.background{ background-color: rgb(82, 92,  
82) }
```

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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