

Converting Colors

YIQ(87.0800, -30.4850,
-25.7250)

Have a look what the booklet for
YIQ(87.0800, -30.4850, -25.7250)
contains.

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Color

**YIQ(87.0800, -30.4850,
-25.7250)**

Conversions

Conversions Part 1

Format	Color
Hex	2A704D
RGB	42, 112, 77
RGB Percent	16%, 44%, 30%
CMY	0.8355, 0.5607, 0.6981
CMYK	0.63, 0.00, 0.31, 0.56
HSL	150°, 46%, 30%
HSV	150°, 63%, 44%
XYZ	8.0890, 12.6215, 9.0266
YIQ	87.0800, -30.4850, -25.7250

Conversions

Conversions Part 2

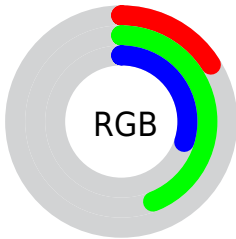
Format	Color
R_{YB}	42, 89, 112
Decimal	2781261
CIE _{Lab}	42.19, -30.88, 13.12
CIE _{LCh}	42, 33.546, 156.984
Yxy	12.6215, 0.2720, 0.4244
Android (android.graphics.Color)	4280971341 (0xFF2A704D)
YUV	87.0800, -4.9694, -39.5352
Hunter-Lab	35.5268, -21.5297, 9.8044

Details

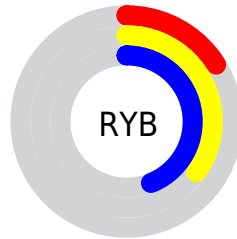
The YIQ color $87.0800, -30.4850, -25.7250$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $66.9200, 30.4850, 25.7250$, and the grayscale version is $87.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $139.0370, -28.9260, -26.4460$, and $40.7430, -27.9180, -22.6860$ is the 20% darker color. If you saturate the color by 10%, you get $83.1070, -35.1150, -29.9230$, and if you desaturate by 10%, it is $91.0530, -25.8550, -21.5270$.

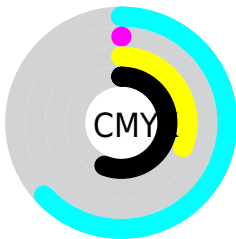
Distribution



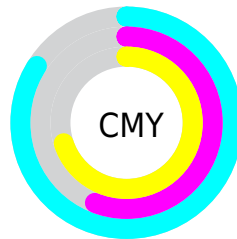
- Red (16%)
- Green (44%)
- Blue (30%)



- Red (16%)
- Yellow (35%)
- Blue (44%)



- Cyan (63%)
- Magenta (0%)
- Yellow (31%)
- Black (56%)



- Cyan (84%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.0800, -30.4850, -25.7250 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 87.0800, -30.4850, -25.7250 by changing the saturation by 10% instead.

87.0800, -30.4850,
-25.7250

87.0800, -30.4850,
-25.7250

255.0000, -0.0000,
-0.0000

59.9160, -35.8950,
-26.7990

139.0370,
-28.9260, -26.4460

40.6290, -27.5970,
-22.9970

166.2110,
-29.4760, -27.4920

25.3210, -14.8060,
-18.0220

193.7980,
-29.7510, -28.0150

8.2180, -3.8500,
-7.3220

221.6840,
-29.4300, -28.3260

0.0000, 0.0000,
0.0000

237.4710,
-23.9760, -17.0320

248.4220,

-13.1120, -4.6640

■ 87.0800, -30.4850,
-25.7250

■ 87.0800, -30.4850,
-25.7250

■ 83.1070, -35.1150,
-29.9230

■ 91.0530, -25.8550,
-21.5270

■ 79.2480, -40.0660,
-33.8100

■ 94.9120, -20.9040,
-17.6400

■ 74.9760, -45.2920,
-38.2200

■ 99.1840, -15.6780,
-13.2300

■ 72.1280, -48.7760,
-41.1600

■ 103.0430,
-10.7270, -9.3430

■ 107.0160, -6.0970,
-5.1450

■ 110.9890, -1.4670,
-0.9470

■ 114.8480, 3.4840,
2.9400

■ 119.1200, 8.7100,
7.3500

■ 122.9790, 13.6610,
11.2370

Harmonies

Analogous

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



93.7710, 1.2420, -22.5180



87.0800, -30.4850, -25.7250



78.8880, -65.0550, -26.9670

Triad

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



87.0800, -30.4850, -25.7250



95.6910, -38.1940, 9.3740



99.5510, 44.1050, 10.1610

Complementary

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



87.0800, -30.4850, -25.7250



66.9200, 30.4850, 25.7250

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.



100.4770, 38.9220, 21.4980



87.0800, -30.4850, -25.7250



102.1360, -5.4140, 21.0340

Square

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



87.0800, -30.4850, -25.7250



80.4960, -77.8500, -9.8340



102.4290, 21.6820, 25.5700



98.1830, 38.7890, -3.6350

Rectangle

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



87.0800, -30.4850, -25.7250



80.4670, -70.8790, -20.5350



102.4290, 21.6820, 25.5700



100.1860, 43.8750, 14.3310

Sweetspot

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



87.0800, -30.4850, -25.7250



135.4450, -11.9190, -9.7670



93.8540, 2.2060, -28.9780



67.8910, -7.2430, -6.4030



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



87.0800, -30.4850, -25.7250



106.2530, -47.6300, -39.9020



90.9560, -41.3990, -15.1510



53.8640, -2.6130, -2.2050



77.2800, -52.2600, -44.1000



159.1250, -107.7290, -90.6170

Inverse Universe

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



66.9200, 30.4850, 25.7250



74.8610, 47.3090, 40.2130



63.0440, 41.3990, 15.1510



52.1360, 2.6130, 2.2050



42.7200, 52.2600, 44.1000



87.9890, 107.4080, 90.9280

Previews

White Background



This preview shows how the YIQ color 87.0800, -30.4850, -25.7250 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



This preview shows how the YIQ color 87.0800, -30.4850, -25.7250 looks on a 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 87.0800, -30.4850, -25.7250

Background



This preview shows how black text looks on a background with the YIQ color 87.0800, -30.4850, -25.7250.



This preview shows how white text looks on a background with the YIQ color 87.0800, -30.4850,

-25.7250.

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

87.0800, -30.4850, -25.7250

Protanopia

98.2000, 13.7560, -7.0120

Deuteranopia

99.3840, 16.4140, -0.1140



Tritanopia

92.4780, -33.8810, -8.2250

Trichromacy



Original Color

87.0800, -30.4850, -25.7250

Protanomaly

94.1870, -2.5650, -14.0930

Deuteranomaly

94.7190, -1.0070, -9.2870

Tritanomaly

90.5610, -32.9170, -14.6850

Monochromacy



Original Color

87.0800, -30.4850, -25.7250

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.0430, -10.7270, -9.3430

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.0800, -30.4850, -25.7250 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(42, 112, 77)` looks like.

```
.text, #text, p{  
    color:rgb(42, 112, 77)  
}
```

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(42, 112, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 112, 77) }
```

Border

The CSS property to change the border of an element to YIQ 87.0800, -30.4850, -25.7250 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(42, 112, 77) }
```


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

```
.border{ border-color:rgb(42, 112, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 112, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 112, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 112, 77);  
box-shadow:4px 4px 4px 4px rgb(42, 112,  
77) }
```

Background

The CSS property to change the background color of an element to YIQ 87.0800, -30.4850, -25.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 112, 77) }
```

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

```
.background{ background-color: rgb(42, 112,  
77) }
```

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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