

Converting Colors

YIQ(112.4400, 12.8400,
-12.4400)

Have a look what the booklet for
YIQ(112.4400, 12.8400, -12.4400)
contains.

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Color

**YIQ(112.4400, 12.8400,
-12.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	75754D
RGB	117, 117, 77
RGB Percent	46%, 46%, 30%
CMY	0.5412, 0.5412, 0.6980
CMYK	0.00, 0.00, 0.34, 0.54
HSL	60°, 21%, 38%
HSV	60°, 34%, 46%
XYZ	15.0368, 17.0401, 9.5216
YIQ	112.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

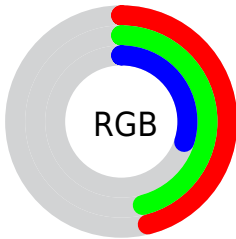
Format	Color
RYB	77, 117, 77
Decimal	7697741
CIELab	48.31, -6.78, 22.11
CIElCh	48, 23.123, 107.046
Yxy	17.0401, 0.3615, 0.4096
Android (android.graphics.Color)	4285887821 (0xFF75754D)
YUV	112.4400, -17.4719, 3.9991
Hunter-Lab	41.2797, -7.2178, 15.2199

Details

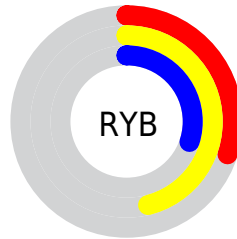
The YIQ color **112.4400, 12.8400, -12.4400** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **81.5600, -12.8400, 12.4400**, and the grayscale version is **113.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.3970, 14.3990, -13.1610**, and **64.4830, 11.2810, -11.7190** is the 20% darker color. If you saturate the color by 10%, you get **111.0720, 16.6920, -16.1720**, and if you desaturate by 10%, it is **113.8080, 8.9880, -8.7080**.

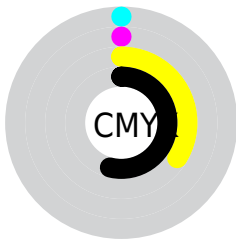
Distribution



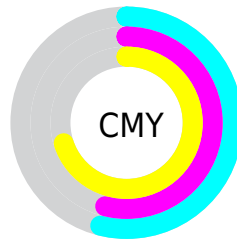
- Red (46%)
- Green (46%)
- Blue (30%)



- Red (30%)
- Yellow (46%)
- Blue (30%)



- Cyan (0%)
- Magenta (0%)
- Yellow (34%)
- Black (54%)



- Cyan (54%)
- Magenta (54%)
- Yellow (70%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.4400, 12.8400, -12.4400 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 112.4400, 12.8400, -12.4400 by changing the saturation by 10% instead.

■ 112.4400, 12.8400,
-12.4400

■ 112.4400, 12.8400,
-12.4400

■ 255.0000, -0.0000,
-0.0000

■ 87.6680, 12.1980,
-11.8180

■ 164.3970, 14.3990,
-13.1610

■ 64.4830, 11.2810,
-11.7190

■ 191.3970, 14.3990,
-13.1610

■ 42.1840, 10.6850,
-11.9310

■ 219.1690, 15.0410,
-13.7830

■ 22.1390, 6.5580,
-8.7220

■ 248.0550, 15.3620,
-14.0940

■ 0.0000, 0.0000,
0.0000

■ 252.7200, 6.4200,
-6.2200

■ 112.4400, 12.8400,
-12.4400

■ 112.4400, 12.8400,
-12.4400

■ 111.0720, 16.6920,
-16.1720

■ 113.8080, 8.9880,
-8.7080

■ 109.8180, 20.2230,
-19.5930

■ 115.0620, 5.4570,
-5.2870

■ 108.4500, 24.0750,
-23.3250

■ 116.4300, 1.6050,
-1.5550

■ 107.0820, 27.9270,
-27.0570

■ 117.7980, -2.2470,
2.1770

■ 105.8280, 31.4580,
-30.4780

■ 119.1660, -6.0990,
5.9090

■ 104.4600, 35.3100,
-34.2100

■ 120.4200, -9.6300,
9.3300

■ 103.6620, 37.5570,
-36.3870

■ 121.7880,
-13.4820, 13.0620

■ 123.1560,

-17.3340, 16.7940

■ 124.4100,
-20.8650, 20.2150

Harmonies

Analogous

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



114.5990, 25.8140, -5.2740



112.4400, 12.8400, -12.4400



110.0510, -5.1780, -16.2980

Triad

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



112.4400, 12.8400, -12.4400



104.6490, -47.5440, -8.4080



117.6750, 20.6290, 17.1170

Complementary

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



112.4400, 12.8400, -12.4400



81.5600, -12.8400, 12.4400

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.



117.4650, 3.6650, 16.1850



112.4400, 12.8400, -12.4400



109.9050, -36.2210, 1.1470

Square

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



112.4400, 12.8400, -12.4400



103.7710, -42.3160, -15.0520



115.3530, -16.6910, 10.6450



116.6020, 30.9000, 12.6920

Rectangle

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



112.4400, 12.8400, -12.4400



107.9940, -18.1990, -17.1030



115.3530, -16.6910, 10.6450



117.4510, 15.4480, 17.4000

Sweetspot

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



112.4400, 12.8400, -12.4400



151.2900, 4.8150, -4.6650



88.9600, 23.8400, 8.4800



75.5610, 2.6140, -3.3220



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



112.4400, 12.8400, -12.4400



145.8180, 20.2230, -19.5930



106.4600, 0.9200, -16.6800



58.3160, 1.9260, -1.8660



108.0920, 39.1620, -37.9420



221.5000, 80.2500, -77.7500

Inverse Universe

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



81.5600, -12.8400, 12.4400



97.1820, -20.2230, 19.5930



87.5400, -0.9200, 16.6800



53.6840, -1.9260, 1.8660



13.9080, -39.1620, 37.9420



28.5000, -80.2500, 77.7500

Previews

White Background



This preview shows how the YIQ color 112.4400, 12.8400, -12.4400 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 112.4400, 12.8400, -12.4400 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 112.4400, 12.8400, -12.4400

Background



This preview shows how black text looks on a background with the YIQ color 112.4400, 12.8400, -12.4400.



This preview shows how white text looks on a background with the YIQ color 112.4400, 12.8400,

-12.4400.

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

112.4400, 12.8400, -12.4400

Protanopia

113.2450, 17.8830, -10.2210

Deuteranopia

114.5390, 26.0430, -3.9170



Tritanopia

115.9020, 3.3920, 4.6080

Trichromacy



Original Color

112.4400, 12.8400, -12.4400

Protanomaly

112.9350, 15.8200, -11.3800

Deuteranomaly

114.0930, 21.3670, -7.2810

Tritanomaly

114.6540, 6.7860, -1.8380

Monochromacy



Original Color

112.4400, 12.8400, -12.4400

Achromatopsia

112.0000, -0.0000, 0.0000

Achromatomaly

112.2900, 4.8150, -4.6650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.4400, 12.8400, -12.4400 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(117, 117, 77)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 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(117, 117, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 77) }
```

Border

The CSS property to change the border of an element to YIQ 112.4400, 12.8400, -12.4400 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(117, 117, 77) }
```


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

```
.border{ border-color:rgb(117, 117, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 117, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 77);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
77) }
```

Background

The CSS property to change the background color of an element to YIQ 112.4400, 12.8400, -12.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 77) }
```

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

```
.background{ background-color: rgb(117,  
117, 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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