

Converting Colors

YIQ(87.2540, 22.8320, 4.7200)

Have a look what the booklet for
YIQ(87.2540, 22.8320, 4.7200)
contains.

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Color

**YIQ(87.2540, 22.8320,
4.7200)**

Conversions

Conversions Part 1

Format	Color
Hex	704E46
RGB	112, 78, 70
RGB Percent	44%, 31%, 27%
CMY	0.5607, 0.6942, 0.7254
CMYK	0.00, 0.30, 0.37, 0.56
HSL	11°, 23%, 36%
HSV	11°, 37%, 44%
XYZ	10.5142, 9.3353, 7.0462
YIQ	87.2540, 22.8320, 4.7200

Conversions

Conversions Part 2

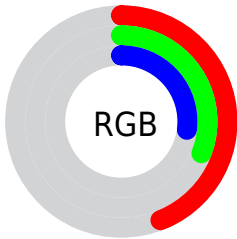
Format	Color
R_{YB}	112, 80, 70
Decimal	7360070
CIE Lab	36.62, 13.20, 10.43
CIE LCh	37, 16.826, 38.313
Yxy	9.3353, 0.3909, 0.3471
Android (android.graphics.Color)	4285550150 (0xFF704E46)
YUV	87.2540, -8.5062, 21.7022
Hunter-Lab	30.5537, 7.9569, 7.7143

Details

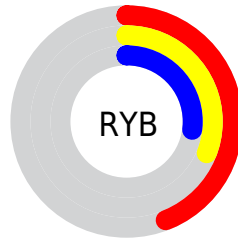
The YIQ color **87.2540, 22.8320, 4.7200** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **94.7460, -22.8320, -4.7200**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.3360, 25.5370, 5.2570**, and **40.9870, 19.2100, 4.2820** is the 20% darker color. If you saturate the color by 10%, you get **80.7170, 28.8380, 6.0060**, and if you desaturate by 10%, it is **93.7910, 16.8260, 3.4340**.

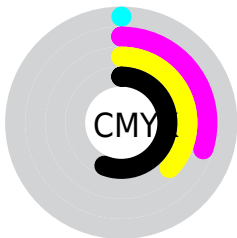
Distribution



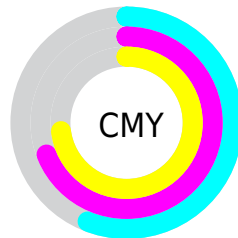
- Red (44%)
- Green (31%)
- Blue (27%)



- Red (44%)
- Yellow (31%)
- Blue (27%)



- Cyan (0%)
- Magenta (30%)
- Yellow (37%)
- Black (56%)



- Cyan (56%)
- Magenta (69%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.2540, 22.8320, 4.7200 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 87.2540, 22.8320, 4.7200 by changing the saturation by 10% instead.

87.2540, 22.8320,
4.7200

87.2540, 22.8320,
4.7200

255.0000, -0.0000,
-0.0000

63.7700, 21.3190,
4.6070

137.3360, 25.5370,
5.2570

41.2860, 19.8060,
4.4940

163.6350, 26.1330,
5.4690

19.3030, 21.1360,
2.4160

191.1190, 27.6460,
5.5820

0.0000, 0.0000,
0.0000

219.4180, 28.2420,
5.7940

240.5410, 14.5340,
0.9180

254.8860, 0.3210,

-0.3110

■ 87.2540, 22.8320,
4.7200

■ 87.2540, 22.8320,
4.7200

■ 80.7170, 28.8380,
6.0060

■ 93.7910, 16.8260,
3.4340

■ 74.1800, 34.8440,
7.2920

■ 100.3280, 10.8200,
2.1480

■ 67.5290, 41.1710,
8.2670

■ 106.9790, 4.4930,
1.1730

■ 60.9920, 47.1770,
9.5530

■ 113.5160, -1.5130,
-0.1130

■ 54.4550, 53.1830,
10.8390

■ 120.0530, -7.5190,
-1.3990

■ 47.9180, 59.1890,
12.1250

■ 126.5900,
-13.5250, -2.6850

■ 45.8150, 60.9770,
12.7610

■ 133.7140,
-19.8060, -4.4940

■ 140.3650,
-26.1330, -5.4690

■ 146.9020,
-32.1390, -6.7550

Harmonies

Analogous

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



87.8610, 19.8050, 10.0210



87.2540, 22.8320, 4.7200



86.1840, 19.8530, -1.8670

Triad

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



87.2540, 22.8320, 4.7200



81.7930, -13.0190, -11.8590



85.4900, -15.8190, 5.8530

Complementary

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



87.2540, 22.8320, 4.7200



94.7460, -22.8320, -4.7200

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.



82.2280, -27.0050, -0.6770



87.2540, 22.8320, 4.7200



80.0890, -25.5360, -10.7840

Square

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



87.2540, 22.8320, 4.7200



83.2630, 0.2770, -10.5310



79.6740, -31.4970, -7.3770



87.5520, -1.1940, 10.6300

Rectangle

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



87.2540, 22.8320, 4.7200



85.6240, 15.4980, -5.5420



79.6740, -31.4970, -7.3770



84.8700, -19.9450, 3.5350

Sweetspot

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



87.2540, 22.8320, 4.7200



135.5450, 8.7110, 1.8230



86.4340, 14.1180, 19.4780



68.1640, 5.4100, 1.0740



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.



87.2540, 22.8320, 4.7200



106.4790, 35.4400, 7.5040



99.5810, 17.0570, -6.2630



52.9680, 3.0260, 0.2260



49.3810, 65.1950, 13.4110



101.4420, 134.2870, 27.7830

Inverse Universe

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



94.7460, -22.8320, -4.7200



118.5210, -35.4400, -7.5040



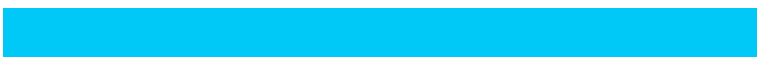
82.4190, -17.0570, 6.2630



53.6190, -3.3010, -0.7490



70.6190, -65.1950, -13.4110



145.5580, -134.2870, -27.7830

Previews

White Background



This preview shows how the YIQ color 87.2540, 22.8320, 4.7200 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



This preview shows how the YIQ color 87.2540, 22.8320, 4.7200 looks on a 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 87.2540, 22.8320, 4.7200

Background



This preview shows how black text looks on a background with the YIQ color 87.2540, 22.8320, 4.7200.



This preview shows how white text looks on a background with the YIQ color 87.2540, 22.8320,

4.7200.

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

87.2540, 22.8320, 4.7200

Protanopia

86.1270, 6.8320, -2.6720

Deuteranopia

86.7860, 15.2220, -0.5380



Tritanopia

87.7470, 20.1260, 9.7100

Trichromacy



Original Color

87.2540, 22.8320, 4.7200

Protanomaly

86.6440, 12.7460, 0.2820

Deuteranomaly

86.8080, 18.1560, 1.3560

Tritanomaly

87.8780, 21.1350, 7.9430

Monochromacy



Original Color

87.2540, 22.8320, 4.7200

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.2460, 8.1150, 1.6110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.2540, 22.8320, 4.7200 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(112, 78, 70)` looks like.

```
.text, #text, p{  
    color:rgb(112, 78, 70)  
}
```

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(112, 78, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 78, 70) }
```

Border

The CSS property to change the border of an element to YIQ 87.2540, 22.8320, 4.7200 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(112, 78, 70) }
```


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

```
.border{ border-color:rgb(112, 78, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 78, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 78, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 78, 70);  
box-shadow:4px 4px 4px 4px rgb(112, 78,  
70) }
```

Background

The CSS property to change the background color of an element to YIQ 87.2540, 22.8320, 4.7200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 78, 70) }
```

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

```
.background{ background-color: rgb(112, 78,  
70) }
```

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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