

Converting Colors

YIQ(47.1110, 22.0970, 12.5370)

Have a look what the booklet for
YIQ(47.1110, 22.0970, 12.5370)
contains.

YIQ(47.1110, 22.0970, 12.5370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(47.1110, 22.0970,
12.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	4C212C
RGB	76, 33, 44
RGB Percent	30%, 13%, 17%
CMY	0.7019, 0.8706, 0.8274
CMYK	0.00, 0.57, 0.42, 0.70
HSL	345°, 39%, 21%
HSV	345°, 57%, 30%
XYZ	3.9811, 2.8064, 2.7167
YIQ	47.1110, 22.0970, 12.5370

Conversions

Conversions Part 2

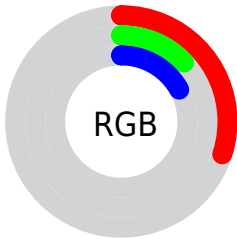
Format	Color
RYB	76, 33, 44
Decimal	4989228
CIELab	19.25, 21.70, 2.34
CIELCh	19, 21.824, 6.144
Yxy	2.8064, 0.4189, 0.2953
Android (android.graphics.Color)	4283179308 (0xFF4C212C)
YUV	47.1110, -1.5337, 25.3357
Hunter-Lab	16.7522, 13.1032, 2.1114

Details

The YIQ color **47.1110, 22.0970, 12.5370** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **61.8890, -22.0970, -12.5370**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.4920, 25.3980, 13.2860**, and **9.6820, 18.7510, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **41.7310, 26.2230, 14.8550**, and if you desaturate by 10%, it is **52.4910, 17.9710, 10.2190**.

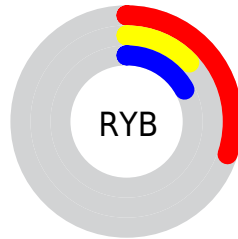
Distribution



Red (30%)

Green (13%)

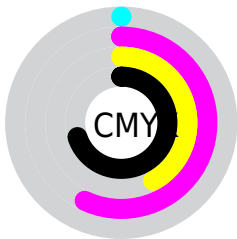
Blue (17%)



Red (30%)

Yellow (13%)

Blue (17%)

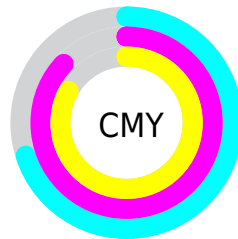


Cyan (0%)

Magenta (57%)

Yellow (42%)

Black (70%)



Cyan (70%)

Magenta (87%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.1110, 22.0970, 12.5370 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 47.1110, 22.0970, 12.5370 by changing the saturation by 10% instead.

■ 47.1110, 22.0970,
12.5370

■ 47.1110, 22.0970,
12.5370

■ 255.0000, -0.0000,
-0.0000

■ 24.7410, 20.2630,
12.7350

■ 94.4920, 25.3980,
13.2860

■ 9.6820, 18.7510,
7.0950

■ 119.2040, 26.2690,
14.0210

■ 0.0000, 0.0000,
0.0000


■ 145.6880, 27.7820,
14.1340


■ 172.4000, 28.6530,
14.8690


■ 199.9980, 29.8450,
15.2930


■ 224.7090, 23.2890,


12.9610


 244.3370, 6.6010,
7.0250


 47.1110, 22.0970,
12.5370


 47.1110, 22.0970,
12.5370


 41.7310, 26.2230,
14.8550


 52.4910, 17.9710,
10.2190


 37.0520, 29.7530,
16.9610


 57.1700, 14.4410,
8.1130


 31.6720, 33.8790,
19.2790

 62.5500, 10.3150,
5.7950

 26.8790, 37.7300,
21.0740

 67.3430, 6.4640,
4.0000

 24.8900, 39.1970,
22.0210

 72.6090, 2.6590,
1.3710

■ 77.9890, -1.4670,
-0.9470

■ 82.7820, -5.3180,
-2.7420

■ 88.0480, -9.1230,
-5.3710

■ 92.8410, -12.9740,
-7.1660

Harmonies

Analogous

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



48.0160, 12.2390, 14.9830



47.1110, 22.0970, 12.5370



46.8630, 25.4910, 6.0910

Triad

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



47.1110, 22.0970, 12.5370



42.9810, 1.0110, -12.8210



39.0740, -38.3750, -3.8710

Complementary

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



47.1110, 22.0970, 12.5370



61.8890, -22.0970, -12.5370

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.



39.1080, -35.7150, -8.0270



47.1110, 22.0970, 12.5370



39.3470, -17.6950, -15.2230

Square

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



47.1110, 22.0970, 12.5370



44.9180, 14.4900, -9.3020



37.9850, -31.1750, -13.2150



43.6570, -23.6590, 4.7650

Rectangle

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



47.1110, 22.0970, 12.5370



46.2170, 24.2540, 0.9740



37.9850, -31.1750, -13.2150



39.4330, -38.0080, -5.0160

Sweetspot

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



47.1110, 22.0970, 12.5370



88.2400, 8.2520, 4.6360



47.4700, 5.2690, 20.1570



44.2180, 5.3180, 2.7420



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



47.1110, 22.0970, 12.5370



53.9710, 34.4750, 19.4910



51.7270, 22.8780, 3.8860



35.3100, 2.0630, 1.1590



33.4620, 52.4460, 29.7100



75.4960, 118.1410, 67.1090

Inverse Universe

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



47.1110, 22.0970, 12.5370



53.9710, 34.4750, 19.4910



57.2730, -22.8780, -3.8860



35.3100, 2.0630, 1.1590



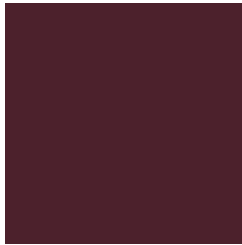
33.4620, 52.4460, 29.7100



75.4960, 118.1410, 67.1090

Previews

White Background



This preview shows how the YIQ color 47.1110, 22.0970, 12.5370 looks on a white background.

Color Contrast Check

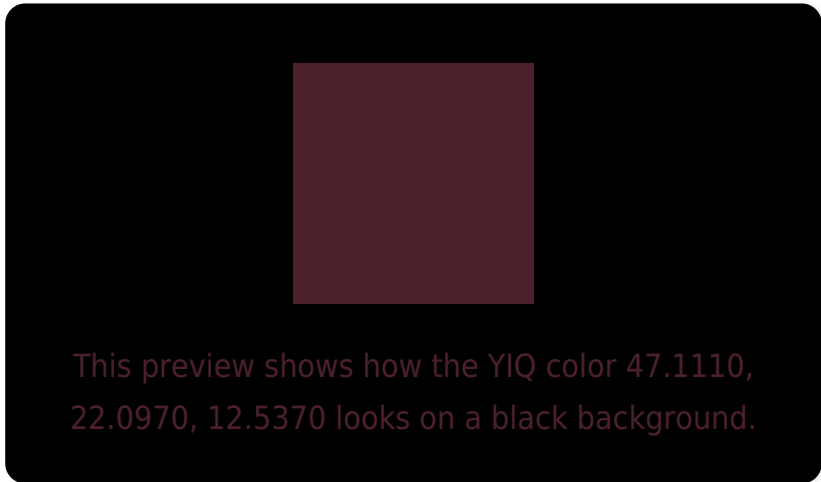
Large Text (above 18pt) WCAG AA ✓ Pass

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

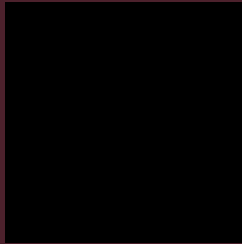
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.1110, 22.0970, 12.5370

Background



This preview shows how black text looks on a background with the YIQ color 47.1110, 22.0970, 12.5370.



This preview shows how white text looks on a background with the YIQ color 47.1110, 22.0970,

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

47.1110, 22.0970, 12.5370

Protanopia

47.5700, -1.6050, 1.5550

Deuteranopia

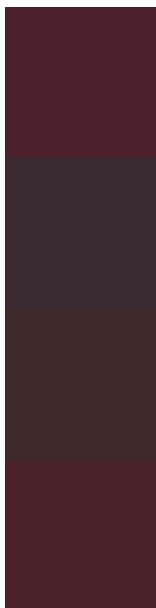
47.9360, 6.0520, 0.4520



Tritanopia

46.6010, 23.4730, 9.6250

Trichromacy



Original Color

47.1110, 22.0970, 12.5370

Protanomaly

47.5820, 7.2890, 5.5690

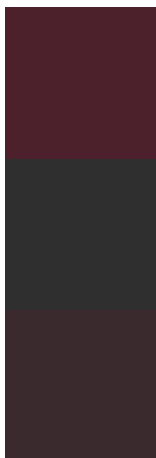
Deuteranomaly

47.5070, 11.8740, 5.0740

Tritanomaly

46.9430, 22.5100, 10.5580

Monochromacy



Original Color

47.1110, 22.0970, 12.5370

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.2400, 8.2520, 4.6360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.1110, 22.0970, 12.5370 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, 33, 44)` looks like.

```
.text, #text, p{  
    color:rgb(76, 33, 44)  
}
```

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, 33, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 33, 44) }
```

Border

The CSS property to change the border of an element to YIQ 47.1110, 22.0970, 12.5370 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, 33, 44) }
```


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

```
.border{ border-color:rgb(76, 33, 44) }
```

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

Here you see how a box with a 4 pixel rgb(76, 33, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 33, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 33, 44);  
box-shadow:4px 4px 4px 4px rgb(76, 33, 44)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.1110, 22.0970, 12.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 33, 44) }
```

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

```
.background{ background-color: rgb(76, 33,  
44) }
```

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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