

# Converting Colors

YIQ(55.8970, 20.1240, 20.7640)

Have a look what the booklet for  
YIQ(55.8970, 20.1240, 20.7640)  
contains.

<b>YIQ(55.8970, 20.1240, 20.7640)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(55.8970, 20.1240,  
20.7640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	582545
RGB	88, 37, 69
RGB Percent	35%, 15%, 27%
CMY	0.6548, 0.8550, 0.7294
CMYK	0.00, 0.58, 0.22, 0.65
HSL	322°, 41%, 25%
HSV	322°, 58%, 35%
XYZ	5.7634, 3.8281, 6.0676
YIQ	55.8970, 20.1240, 20.7640

# Conversions

## Conversions Part 2

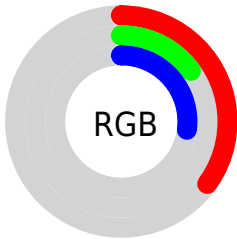
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 37, 69
Decimal	5776709
CIE Lab	23.09, 27.92, -8.99
CIE LCh	23, 29.333, 342.158
Yxy	3.8281, 0.3681, 0.2445
Android (android.graphics.Color)	4283966789 (0xFF582545)
YUV	55.8970, 6.4598, 28.1543
Hunter-Lab	19.5656, 18.3410, -4.6910




# Details

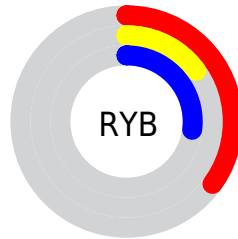
The YIQ color **55.8970, 20.1240, 20.7640** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **69.1030, -20.1240, -20.7640**, and the grayscale version is **56.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **104.5060, 22.7830, 22.1350**, and **15.5220, 16.6860, 16.9900** is the 20% darker color. If you saturate the color by 10%, you get **50.2720, 23.5620, 24.5380**, and if you desaturate by 10%, it is **61.5220, 16.6860, 16.9900**.

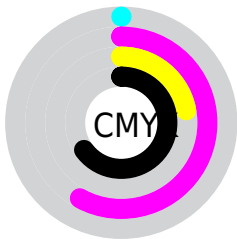
# Distribution







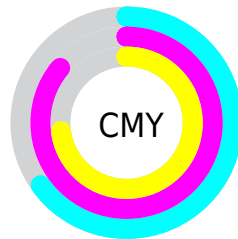
-  Red (35%)
-  Green (15%)
-  Blue (27%)






-  Red (35%)
-  Yellow (15%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (58%)
-  Yellow (22%)
-  Black (65%)



-  Cyan (65%)
-  Magenta (86%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.8970, 20.1240, 20.7640 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 55.8970, 20.1240, 20.7640 by changing the saturation by 10% instead.



■ 55.8970, 20.1240,  
20.7640

■ 55.8970, 20.1240,  
20.7640

■ 255.0000, -0.0000,  
-0.0000

■ 32.7120, 19.2070,  
20.8630

■ 104.5060, 22.7830,  
22.1350

■ 15.5220, 16.6860,  
16.9900

■ 130.2180, 23.6540,  
22.8700

■ 0.0000, 0.0000,  
0.0000

■ 156.5170, 24.2500,  
23.0820

■ 184.2290, 25.1210,  
23.8170

■ 211.6420, 25.3960,  
24.3400

■ 232.4660, 11.0920,

19.2520

249.7170, 2.4750,  
4.7070

55.8970, 20.1240,  
20.7640

55.8970, 20.1240,  
20.7640

50.2720, 23.5620,  
24.5380

61.5220, 16.6860,  
16.9900

44.5330, 27.3210,  
28.0010

67.2610, 12.9270,  
13.5270

39.4950, 30.4840,  
31.2520

72.2990, 9.7640,  
10.2760

33.8700, 33.9220,  
35.0260

77.9240, 6.3260,  
6.5020

32.5820, 34.7930,  
35.7610

83.5490, 2.8880,  
2.7280

■ 89.2880, -0.8710,  
-0.7350

■ 94.9130, -4.3090,  
-4.5090

■ 99.9510, -7.4720,  
-7.7600

■ 105.6900,  
-11.2310, -11.2230

# Harmonies

## Analogous

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



56.7790, -0.0950, 18.2490



55.8970, 20.1240, 20.7640



54.3080, 31.9080, 16.4520

# Triad

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



55.8970, 20.1240, 20.7640



51.5990, 16.6460, -15.3380



47.7310, -44.8390, -7.8710

# Complementary

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



55.8970, 20.1240, 20.7640



69.1030, -20.1240, -20.7640

# 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.



46.0380, -38.6940, -14.6140



55.8970, 20.1240, 20.7640



48.9540, -3.5270, -18.6870

# Square

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



55.8970, 20.1240, 20.7640



53.0400, 28.8860, -5.8820



42.8290, -31.0360, -21.2440



46.8650, -47.9120, -1.7360



# Rectangle

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



55.8970, 20.1240, 20.7640



53.8750, 34.3850, 10.1050



42.8290, -31.0360, -21.2440



47.0470, -42.9130, -9.7370

# Sweetspot

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



55.8970, 20.1240, 20.7640



102.3480, 8.0680, 7.9720



48.4950, -5.0470, 19.8890



51.3860, 4.9050, 4.7210



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



55.8970, 20.1240, 20.7640



64.0330, 31.9050, 33.0330



53.0470, 28.1490, 12.9890



40.5380, 1.4210, 1.7810



39.6310, 42.2650, 43.5210



87.0230, 92.8730, 95.5370



# Inverse Universe

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



55.8970, 20.1240, 20.7640



64.0330, 31.9050, 33.0330



71.9530, -28.1490, -12.9890



40.5380, 1.4210, 1.7810



39.6310, 42.2650, 43.5210

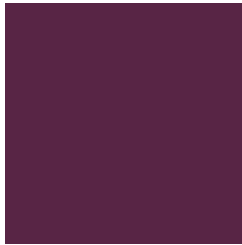


87.0230, 92.8730, 95.5370



# Previews

## White Background



This preview shows how the YIQ color 55.8970, 20.1240, 20.7640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

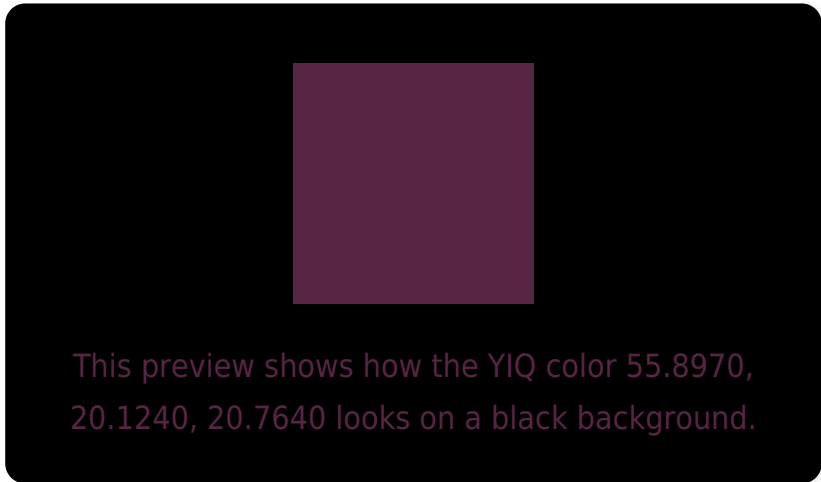
Any Text WCAG AA ✓ Pass

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

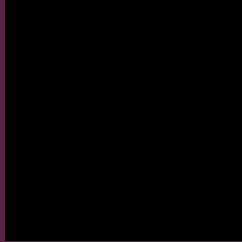
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 55.8970, 20.1240, 20.7640

## Background



This preview shows how black text looks on a background with the YIQ color 55.8970, 20.1240, 20.7640.



This preview shows how white text looks on a background with the YIQ color 55.8970, 20.1240,



# 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

55.8970, 20.1240, 20.7640

### Protanopia

55.6860, -13.4350, 6.7010

### Deuteranopia

56.5530, -2.9350, 3.6330



## Tritanopia

55.4980, 25.2610, 10.2610

# Trichromacy



## Original Color

55.8970, 20.1240, 20.7640

## Protanomaly

55.4920, -0.9650, 11.9870

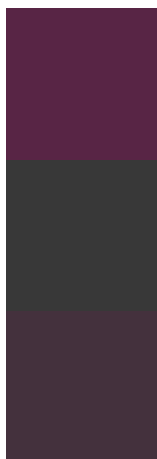
## Deuteranomaly

56.1460, 5.8210, 10.1490

## Tritanomaly

55.6490, 23.5180, 14.3180

# Monochromacy



## Original Color

55.8970, 20.1240, 20.7640

## Achromatopsia

56.0000, -0.0000, 0.0000

## Achromatomaly

56.0490, 7.4720, 7.7600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.8970, 20.1240, 20.7640 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(88, 37, 69)` looks like.

```
.text, #text, p{  
    color:rgb(88, 37, 69)  
}
```

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(88, 37, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 37, 69) }
```

## Border

The CSS property to change the border of an element to YIQ 55.8970, 20.1240, 20.7640 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(88, 37, 69) }
```



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

```
.border{ border-color:rgb(88, 37, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 37, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 37, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 37, 69);  
box-shadow:4px 4px 4px 4px rgb(88, 37, 69)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 55.8970, 20.1240, 20.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 37, 69) }
```

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

```
.background{ background-color: rgb(88, 37,  
69) }
```

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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