

Converting Colors

YIQ(68.6220, 45.3430, 9.7510)

Have a look what the booklet for
YIQ(68.6220, 45.3430, 9.7510)
contains.

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Color

**YIQ(68.6220, 45.3430,
9.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	763223
RGB	118, 50, 35
RGB Percent	46%, 20%, 14%
CMY	0.5371, 0.8040, 0.8626
CMYK	0.00, 0.58, 0.70, 0.54
HSL	11°, 54%, 30%
HSV	11°, 70%, 46%
XYZ	8.9200, 6.2547, 2.3311
YIQ	68.6220, 45.3430, 9.7510

Conversions

Conversions Part 2

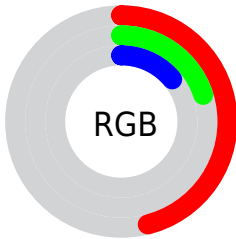
Format	Color
R_{YB}	118, 53, 35
Decimal	7746083
CIE Lab	30.05, 28.74, 23.86
CIE LCh	30, 37.354, 39.690
Yxy	6.2547, 0.5095, 0.3573
Android (android.graphics.Color)	4285936163 (0xFF763223)
YUV	68.6220, -16.5756, 43.3045
Hunter-Lab	25.0093, 19.8985, 11.9803

Details

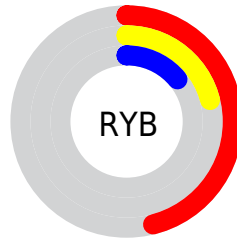
The YIQ color **68.6220, 45.3430, 9.7510** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **84.3780, -45.3430, -9.7510**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.2590, 50.7990, 9.9910**, and **20.3100, 37.5940, 12.5220** is the 20% darker color. If you saturate the color by 10%, you get **61.3840, 51.9450, 11.2490**, and if you desaturate by 10%, it is **75.8600, 38.7410, 8.2530**.

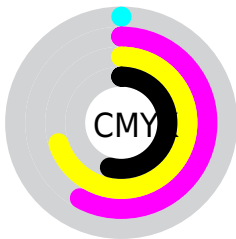
Distribution



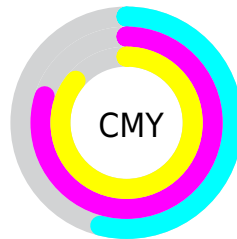
- Red (46%)
- Green (20%)
- Blue (14%)



- Red (46%)
- Yellow (21%)
- Blue (14%)



- Cyan (0%)
- Magenta (58%)
- Yellow (70%)
- Black (54%)



- Cyan (54%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.6220, 45.3430, 9.7510 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 68.6220, 45.3430, 9.7510 by changing the saturation by 10% instead.

■ 68.6220, 45.3430,
9.7510

■ 68.6220, 45.3430,
9.7510

255.0000, -0.0000,
-0.0000

■ 44.0670, 42.5920,
10.0480

■ 119.2590, 50.7990,
9.9910

■ 20.3100, 37.5940,
12.5220

■ 145.3410, 53.5040,
10.5280

■ 12.6720, 24.7110,
9.2150

■ 172.5370, 55.8880,
11.3760

■ 0.0000, 0.0000,
0.0000

■ 197.9280, 53.2290,
10.0050

■ 217.4420, 36.8620,
3.7580

■ 236.9560, 20.4950,

-2.4890

253.1760, 5.1360,
-4.9760

68.6220, 45.3430,
9.7510

68.6220, 45.3430,
9.7510

61.3840, 51.9450,
11.2490

75.8600, 38.7410,
8.2530

54.7330, 58.2720,
12.2240

82.5110, 32.4140,
7.2780

47.6090, 64.5530,
14.0330

89.6350, 26.1330,
5.4690

96.8730, 19.5310,
3.9710

103.5240, 13.2040,
2.9960

■ 110.7620, 6.6020,
1.4980

■ 118.0000, 0.0000,
-0.0000

■ 124.5370, -6.0060,
-1.2860

■ 131.7750,
-12.6080, -2.7840

Harmonies

Analogous

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



68.6130, 41.5350, 23.7030



68.6220, 45.3430, 9.7510



67.9610, 39.2940, -7.2820

Triad

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



68.6220, 45.3430, 9.7510



54.3070, -38.5540, -28.1700



63.4450, -46.3090, 7.7630

Complementary

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



68.6220, 45.3430, 9.7510



84.3780, -45.3430, -9.7510

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.



60.6230, -61.8500, -2.4420



68.6220, 45.3430, 9.7510



59.0150, -49.0550, -19.5750

Square

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



68.6220, 45.3430, 9.7510



62.3360, -1.9670, -24.9350



60.9190, -57.1720, -10.1320



72.9730, -3.3970, 23.0270

Rectangle

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



68.6220, 45.3430, 9.7510



66.6730, 30.9970, -16.6110



60.9190, -57.1720, -10.1320



58.1440, -61.7590, 1.4170

Sweetspot

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



68.6220, 45.3430, 9.7510



134.0900, 17.4220, 3.6460



67.6830, 27.3190, 39.0550



65.3280, 10.8200, 2.1480



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.



68.6220, 45.3430, 9.7510



76.6590, 70.2840, 14.7960



92.1020, 34.3430, -11.1690



55.3810, 3.3010, 0.7490



49.3920, 66.6620, 14.3580



101.1650, 136.6250, 29.4650

Inverse Universe

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



84.3780, -45.3430, -9.7510



100.9280, -70.5590, -15.3190



60.8980, -34.3430, 11.1690



56.6190, -3.3010, -0.7490



72.6080, -66.6620, -14.3580



148.8350, -136.6250, -29.4650

Previews

White Background



This preview shows how the YIQ color 68.6220, 45.3430, 9.7510 looks on a white background.

Color Contrast Check

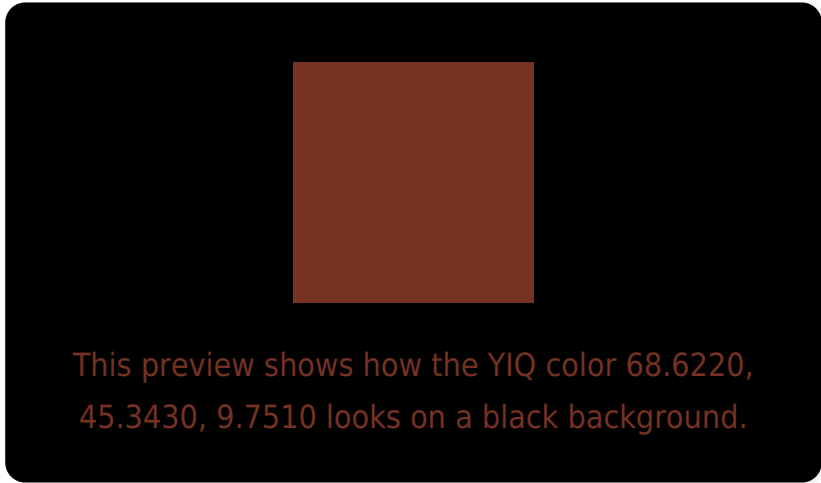
Large Text (above 18pt) WCAG AA ✓ Pass

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

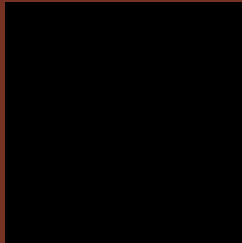
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.6220, 45.3430, 9.7510

Background



This preview shows how black text looks on a background with the YIQ color 68.6220, 45.3430, 9.7510.

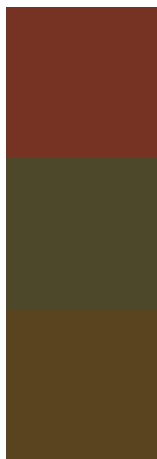


This preview shows how white text looks on a background with the YIQ color 68.6220, 45.3430,

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

68.6220, 45.3430, 9.7510

Protanopia

70.3740, 13.2060, -8.0580

Deuteranopia

70.0610, 24.3930, -7.0550



Tritanopia

69.5710, 41.3530, 15.9850

Trichromacy



Original Color

68.6220, 45.3430, 9.7510

Protanomaly

69.8210, 25.3090, -1.6270

Deuteranomaly

69.3550, 32.5530, -0.7510

Tritanomaly

69.4740, 43.0040, 13.5960

Monochromacy



Original Color

68.6220, 45.3430, 9.7510

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

68.9050, 16.5050, 3.7450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.6220, 45.3430, 9.7510 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(118, 50, 35)` looks like.

```
.text, #text, p{  
    color:rgb(118, 50, 35)  
}
```

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(118, 50, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 50, 35) }
```

Border

The CSS property to change the border of an element to YIQ 68.6220, 45.3430, 9.7510 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(118, 50, 35) }
```


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

```
.border{ border-color:rgb(118, 50, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 50, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 50, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 50, 35);  
box-shadow:4px 4px 4px 4px rgb(118, 50,  
35) }
```

Background

The CSS property to change the background color of an element to YIQ 68.6220, 45.3430, 9.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 50, 35) }
```

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

```
.background{ background-color: rgb(118, 50,  
35) }
```

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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