

Converting Colors

YIQ(66.6560, 84.6750, 45.8510)

Have a look what the booklet for
YIQ(66.6560, 84.6750, 45.8510)
contains.

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Color

**YIQ(66.6560, 84.6750,
45.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	B00E33
RGB	176, 14, 51
RGB Percent	69%, 5%, 20%
CMY	0.3094, 0.9453, 0.7997
CMYK	0.00, 0.92, 0.71, 0.31
HSL	346°, 85%, 37%
HSV	346°, 92%, 69%
XYZ	18.6835, 9.7942, 4.0468
YIQ	66.6560, 84.6750, 45.8510

Conversions

Conversions Part 2

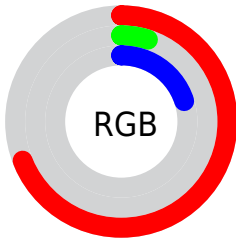
Format	Color
R_{YB}	176, 14, 51
Decimal	11537971
CIE _{Lab}	37.47, 60.24, 25.45
CIE _{LCh}	37, 65.398, 22.899
Yxy	9.7942, 0.5744, 0.3011
Android (android.graphics.Color)	4289728051 (0xFFB00E33)
YUV	66.6560, -7.7184, 95.8947
Hunter-Lab	31.2957, 51.7966, 14.2403

Details

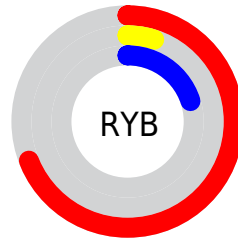
The YIQ color **66.6560, 84.6750, 45.8510** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **123.3440, -84.6750, -45.8510**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **131.5280, 87.6110, 36.6910**, and **35.1830, 66.2930, 26.5570** is the 20% darker color. If you saturate the color by 10%, you get **57.1840, 92.0560, 49.7520**, and if you desaturate by 10%, it is **78.8180, 75.2310, 40.7910**.

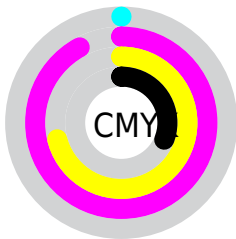
Distribution



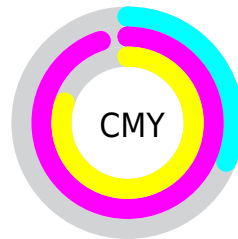
- Red (69%)
- Green (5%)
- Blue (20%)



- Red (69%)
- Yellow (5%)
- Blue (20%)



- Cyan (0%)
- Magenta (92%)
- Yellow (71%)
- Black (31%)





- Cyan (31%)
- Magenta (95%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 66.6560, 84.6750, 45.8510 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 66.6560, 84.6750, 45.8510 by changing the saturation by 10% instead.


 66.6560, 84.6750,
45.8510


 66.6560, 84.6750,
45.8510


255.0000, -0.0000,
-0.0000


 46.7750, 76.7900,
40.0700


 131.5280, 87.6110,
36.6910


 35.1830, 66.2930,
26.5570


 155.8970, 82.0180,
33.4260


 25.4150, 50.6600,
18.0200


 175.2970, 65.9720,
26.8680

 17.2710, 33.3300,
12.7060

 195.2840, 49.6510,
19.7870

 4.4850, 8.9400,
3.1800

 215.4990, 32.6880,
13.3280

 0.0000, 0.0000,
0.0000

 235.7140, 15.7250,

6.8690

■ 66.6560, 84.6750,
45.8510

■ 66.6560, 84.6750,
45.8510

■ 57.1840, 92.0560,
49.7520

■ 78.8180, 75.2310,
40.7910

■ 90.2790, 66.3830,
35.9430

■ 102.4410, 56.9390,
30.8830

■ 113.9020, 48.0910,
26.0350

■ 126.0640, 38.6470,
20.9750

■ 138.2260, 29.2030,
15.9150

■ 149.6870, 20.3550,
11.0670

■ 161.8490, 10.9110,
6.0070

■ 173.3100, 2.0630,
1.1590

Harmonies

Analogous

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



63.4690, 70.0450, 68.7090



66.6560, 84.6750, 45.8510



79.2170, 76.9800, 3.5720

Triad

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



66.6560, 84.6750, 45.8510



63.5900, -33.0020, -51.7060



80.2290, -89.4990, 8.5570

Complementary

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



66.6560, 84.6750, 45.8510



123.3440, -84.6750, -45.8510

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.



83.1180, -85.2330, -2.6810



66.6560, 84.6750, 45.8510



72.3050, -53.4080, -34.3040

Square

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



66.6560, 84.6750, 45.8510



77.5700, 14.4490, -36.1030



79.1620, -71.3380, -17.7220



80.5370, -57.5910, 25.0090

Rectangle

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



66.6560, 84.6750, 45.8510



82.9060, 58.3220, -10.7180



79.1620, -71.3380, -17.7220



82.1210, -89.3150, 5.2210

Sweetspot

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



66.6560, 84.6750, 45.8510



186.1450, 33.9250, 18.4450



69.5440, 21.9020, 76.6700



88.6870, 20.3550, 11.0670



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



66.6560, 84.6750, 45.8510



74.8120, 120.0670, 65.2430



87.6790, 84.7270, 11.8550



82.9190, 4.7220, 2.5300



49.7370, 79.9530, 43.3210



8.4580, 13.5700, 7.3780

Inverse Universe

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



66.6560, 84.6750, 45.8510



74.8120, 120.0670, 65.2430



102.3210, -84.7270, -11.8550



82.9190, 4.7220, 2.5300



49.7370, 79.9530, 43.3210



8.4580, 13.5700, 7.3780

Previews

White Background



This preview shows how the YIQ color 66.6560, 84.6750, 45.8510 looks on a white background.

Color Contrast Check

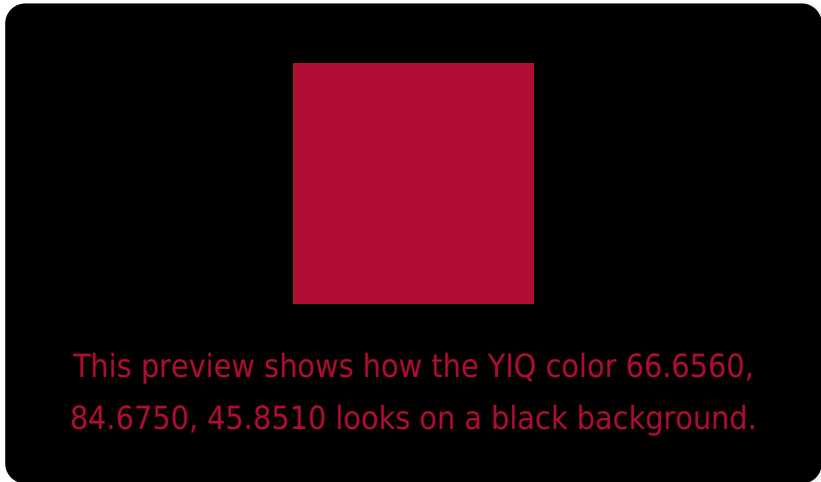
Large Text (above 18pt) WCAG AA ✓ Pass

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

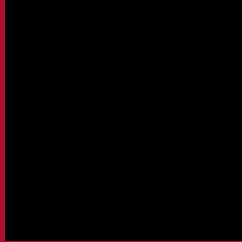
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 66.6560, 84.6750, 45.8510

Background



This preview shows how black text looks on a background with the YIQ color 66.6560, 84.6750, 45.8510.



This preview shows how white text looks on a background with the YIQ color 66.6560, 84.6750,

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

66.6560, 84.6750, 45.8510

Protanopia

89.7850, 7.7950, -3.6050

Deuteranopia

88.4590, 29.0240, -8.3840



Tritanopia

68.8070, 90.9590, 31.0790

Trichromacy



Original Color

66.6560, 84.6750, 45.8510

Protanomaly

80.9940, 35.6680, 14.3880

Deuteranomaly

80.7150, 49.5150, 11.2350

Tritanomaly

67.7130, 88.5280, 36.5920

Monochromacy



Original Color

66.6560, 84.6750, 45.8510

Achromatopsia

67.0000, -0.0000, -0.0000

Achromatomaly

67.1230, 30.9910, 16.5510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.6560, 84.6750, 45.8510 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(176, 14, 51)` looks like.

```
.text, #text, p{  
    color:rgb(176, 14, 51)  
}
```

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(176, 14, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 14, 51) }
```

Border

The CSS property to change the border of an element to YIQ 66.6560, 84.6750, 45.8510 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(176, 14, 51) }
```


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

```
.border{ border-color:rgb(176, 14, 51) }
```

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

Here you see how a box with a 4 pixel rgb(176, 14, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 14, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 14, 51);  
box-shadow:4px 4px 4px 4px rgb(176, 14,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 66.6560, 84.6750, 45.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 14, 51) }
```

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

```
.background{ background-color: rgb(176, 14,  
51) }
```

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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