

Converting Colors

YIQ(51.6750, 20.6290, 17.1170)

Have a look what the booklet for
YIQ(51.6750, 20.6290, 17.1170)
contains.

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Color

**YIQ(51.6750, 20.6290,
17.1170)**

Conversions

Conversions Part 1

Format	Color
Hex	52233A
RGB	82, 35, 58
RGB Percent	32%, 14%, 23%
CMY	0.6783, 0.8628, 0.7725
CMYK	0.00, 0.57, 0.29, 0.68
HSL	331°, 40%, 23%
HSV	331°, 57%, 32%
XYZ	4.8471, 3.3018, 4.3870
YIQ	51.6750, 20.6290, 17.1170

Conversions

Conversions Part 2

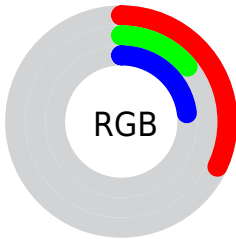
Format	Color
RYB	82, 35, 58
Decimal	5382970
CIELab	21.21, 25.01, -4.40
CIELCh	21, 25.395, 350.018
Yxy	3.3018, 0.3867, 0.2634
Android (android.graphics.Color)	4283573050 (0xFF52233A)
YUV	51.6750, 3.1182, 26.5950
Hunter-Lab	18.1710, 15.8153, -1.5947

Details

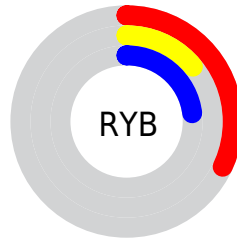
The YIQ color **51.6750, 20.6290, 17.1170** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **65.3250, -20.6290, -17.1170**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.8710, 23.0130, 17.9650**, and **13.0720, 17.8330, 12.7210** is the 20% darker color. If you saturate the color by 10%, you get **46.5230, 24.1130, 20.0570**, and if you desaturate by 10%, it is **56.8270, 17.1450, 14.1770**.

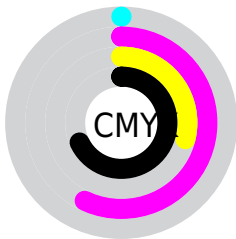
Distribution



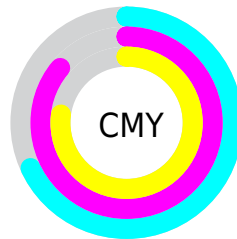
- Red (32%)
- Green (14%)
- Blue (23%)



- Red (32%)
- Yellow (14%)
- Blue (23%)



- Cyan (0%)
- Magenta (57%)
- Yellow (29%)
- Black (68%)



- Cyan (68%)
- Magenta (86%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.6750, 20.6290, 17.1170 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 51.6750, 20.6290, 17.1170 by changing the saturation by 10% instead.

■ 51.6750, 20.6290,
17.1170

■ 51.6750, 20.6290,
17.1170

■ 255.0000, -0.0000,
-0.0000

■ 28.4900, 19.7120,
17.2160

■ 99.8710, 23.0130,
17.9650

■ 13.0720, 17.8330,
12.7210

■ 124.8820, 24.4800,
18.9120

■ 0.0000, 0.0000,
0.0000

■ 151.1810, 25.0760,
19.1240

■ 178.1920, 26.5430,
20.0710

■ 205.6050, 26.8180,
20.5940

■ 228.5220, 16.6860,

16.9900

247.3690, 3.5750,
6.7990

51.6750, 20.6290,
17.1170

51.6750, 20.6290,
17.1170

46.5230, 24.1130,
20.0570

56.8270, 17.1450,
14.1770

41.3710, 27.5970,
22.9970

61.9790, 13.6610,
11.2370

35.5180, 31.6770,
26.1490

67.8320, 9.5810,
8.0850

30.3660, 35.1610,
29.0890

72.9840, 6.0970,
5.1450

29.0780, 36.0320,
29.8240

78.1360, 2.6130,
2.2050

■ 83.2880, -0.8710,
-0.7350

■ 88.4400, -4.3550,
-3.6750

■ 94.2930, -8.4350,
-6.8270

■ 99.4450, -11.9190,
-9.7670

Harmonies

Analogous

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



52.9490, 5.1780, 16.2980



51.6750, 20.6290, 17.1170



50.4060, 28.5160, 11.8440

Triad

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



51.6750, 20.6290, 17.1170



47.8310, 10.1810, -13.8110



43.6390, -41.5840, -6.2880

Complementary

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



51.6750, 20.6290, 17.1170



65.3250, -20.6290, -17.1170

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.



42.4020, -36.7230, -11.7870



51.6750, 20.6290, 17.1170



45.0830, -8.2040, -16.5240

Square

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



51.6750, 20.6290, 17.1170



49.5770, 22.8800, -7.1680



40.2360, -30.6240, -17.6960



42.3170, -43.3730, -1.3970

Rectangle

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



51.6750, 20.6290, 17.1170



50.0160, 29.4340, 6.2180



40.2360, -30.6240, -17.6960



43.1830, -40.3000, -7.5320

Sweetspot

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



51.6750, 20.6290, 17.1170



95.4080, 7.8390, 6.6150



47.5340, -0.7830, 19.7050



46.8590, 4.9510, 3.8870



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



51.6750, 20.6290, 17.1170



59.2300, 32.5480, 26.8840



49.0530, 28.0120, 9.9640



38.4240, 1.7420, 1.4700



37.2090, 46.2090, 38.1210



82.3640, 101.6780, 84.6380

Inverse Universe

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



51.6750, 20.6290, 17.1170



59.2300, 32.5480, 26.8840



67.9470, -28.0120, -9.9640



38.4240, 1.7420, 1.4700



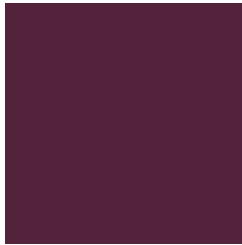
37.2090, 46.2090, 38.1210



82.3640, 101.6780, 84.6380

Previews

White Background



This preview shows how the YIQ color 51.6750, 20.6290, 17.1170 looks on a white background.

Color Contrast Check

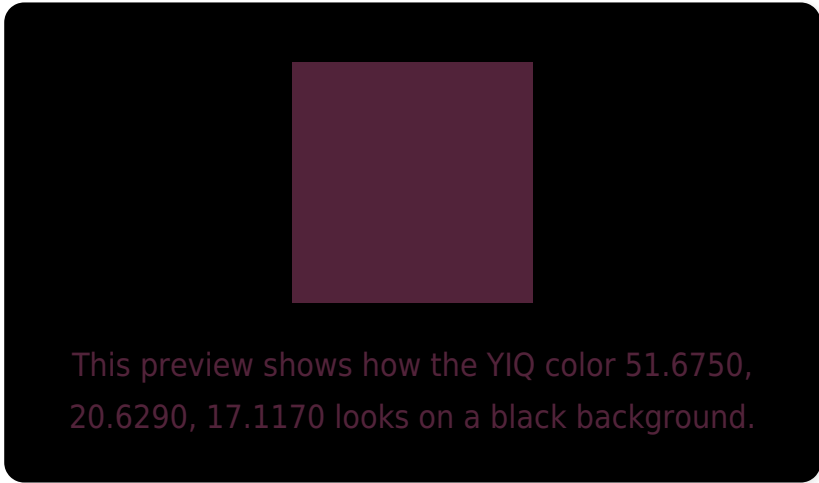
Large Text (above 18pt) WCAG AA ✓ Pass

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

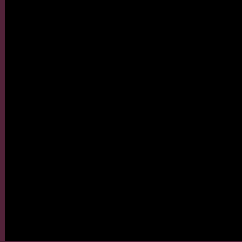
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.6750, 20.6290, 17.1170

Background



This preview shows how black text looks on a background with the YIQ color 51.6750, 20.6290, 17.1170.



This preview shows how white text looks on a background with the YIQ color 51.6750, 20.6290,

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

51.6750, 20.6290, 17.1170

Protanopia

51.8560, -8.1620, 4.7500

Deuteranopia

52.1790, 1.0540, 2.9260



Tritanopia

51.7860, 24.3900, 9.5260

Trichromacy



Original Color

51.6750, 20.6290, 17.1170

Protanomaly

51.7650, 2.5200, 9.4000

Deuteranomaly

52.3480, 8.0680, 7.9720

Tritanomaly

51.8830, 22.7390, 11.9150

Monochromacy



Original Color

51.6750, 20.6290, 17.1170

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

51.9950, 7.5640, 6.0920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.6750, 20.6290, 17.1170 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(82, 35, 58)` looks like.

```
.text, #text, p{  
    color:rgb(82, 35, 58)  
}
```

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(82, 35, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 35, 58) }
```

Border

The CSS property to change the border of an element to YIQ 51.6750, 20.6290, 17.1170 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(82, 35, 58) }
```


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

```
.border{ border-color:rgb(82, 35, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 35, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 35, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 35, 58);  
box-shadow:4px 4px 4px 4px rgb(82, 35, 58)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.6750, 20.6290, 17.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 35, 58) }
```

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

```
.background{ background-color: rgb(82, 35,  
58) }
```

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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