

Converting Colors

YIQ(56.7210, 32.1830, 16.9750)

Have a look what the booklet for
YIQ(56.7210, 32.1830, 16.9750)
contains.

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Color

**YIQ(56.7210, 32.1830,
16.9750)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 622532 |
| RGB | 98, 37, 50 |
| RGB Percent | 38%, 15%, 20% |
| CMY | 0.6155, 0.8550, 0.8038 |
| CMYK | 0.00, 0.62, 0.49, 0.62 |
| HSL | 347°, 45%, 26% |
| HSV | 347°, 62%, 38% |
| XYZ | 6.2784, 4.1509, 3.4913 |
| YIQ | 56.7210, 32.1830, 16.9750 |

Conversions

Conversions Part 2

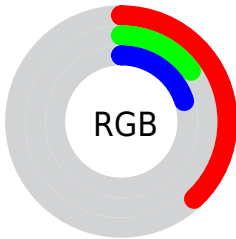
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 98, 37, 50 |
| Decimal | 6432050 |
| CIELab | 24.16, 29.00, 5.71 |
| CIELCh | 24, 29.553, 11.140 |
| Yxy | 4.1509, 0.4510, 0.2982 |
| Android (android.graphics.Color) | 4284622130 (0xFF622532) |
| YUV | 56.7210, -3.3135, 36.2017 |
| Hunter-Lab | 20.3738, 19.3520, 4.1016 |

Details

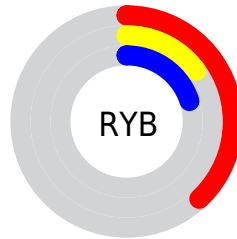
The YIQ color **56.7210, 32.1830, 16.9750** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **78.2790, -32.1830, -16.9750**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.2870, 36.4010, 17.6250**, and **14.9930, 28.2410, 11.3210** is the 20% darker color. If you saturate the color by 10%, you get **49.9390, 37.5010, 19.7170**, and if you desaturate by 10%, it is **63.5030, 26.8650, 14.2330**.

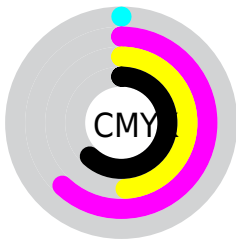
Distribution



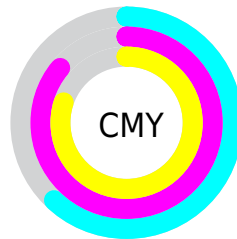
- Red (38%)
- Green (15%)
- Blue (20%)



- Red (38%)
- Yellow (15%)
- Blue (20%)



- Cyan (0%)
- Magenta (62%)
- Yellow (49%)
- Black (62%)



- Cyan (62%)
- Magenta (86%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.7210, 32.1830, 16.9750 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 56.7210, 32.1830, 16.9750 by changing the saturation by 10% instead.

■ 56.7210, 32.1830,
16.9750

■ 56.7210, 32.1830,
16.9750

■ 255.0000, -0.0000,
-0.0000

■ 32.4650, 30.0280,
17.4840

■ 106.2870, 36.4010,
17.6250

■ 14.9930, 28.2410,
11.3210

■ 131.8850, 37.5930,
18.0490

■ 2.9900, 5.9600,
2.1200

■ 158.7820, 39.3810,
18.6850

■ 0.0000, 0.0000,
0.0000

■ 185.6790, 41.1690,
19.3210

■ 210.5750, 35.5300,
16.8900

■ 230.2030, 18.8420,

10.9540

250.3040, 2.2000,
4.1840

56.7210, 32.1830,
16.9750

56.7210, 32.1830,
16.9750

49.9390, 37.5010,
19.7170

63.5030, 26.8650,
14.2330

43.2710, 42.4980,
22.7700

70.1710, 21.8680,
11.1800

37.0760, 47.5410,
24.9890

76.3660, 16.8250,
8.9610

31.6960, 51.6670,
27.3070

83.1480, 11.5070,
6.2190

89.9300, 6.1890,
3.4770

■ 96.5980, 1.1920,
0.4240

■ 103.3800, -4.1260,
-2.3180

■ 109.5750, -9.1690,
-4.5370

■ 116.2430,
-14.1660, -7.5900

Harmonies

Analogous

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



58.0110, 19.8030, 21.0750



56.7210, 32.1830, 16.9750



56.0660, 35.1650, 6.9810

Triad

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



56.7210, 32.1830, 16.9750



51.1390, -2.6100, -18.7860



48.8540, -49.3790, -2.6830

Complementary

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



56.7210, 32.1830, 16.9750



78.2790, -32.1830, -16.9750

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.



49.1330, -46.0310, -8.2950



56.7210, 32.1830, 16.9750



44.1170, -31.9070, -21.9790

Square

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



56.7210, 32.1830, 16.9750



53.8980, 17.2420, -15.1260



47.3260, -39.5650, -15.3490



53.9430, -30.2160, 7.9600

Rectangle

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



56.7210, 32.1830, 16.9750



55.9420, 32.2780, -1.2740



47.3260, -39.5650, -15.3490



49.0990, -48.6910, -4.1390

Sweetspot

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



56.7210, 32.1830, 16.9750



111.0450, 13.2950, 6.8550



58.3060, 9.0270, 29.1470



53.8270, 7.9770, 4.1130



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



56.7210, 32.1830, 16.9750



62.9840, 50.7960, 26.5720



65.2180, 31.6810, 4.0410



45.3100, 2.0630, 1.1590



36.2240, 59.0480, 31.2080



77.5740, 126.6690, 66.7410

Inverse Universe

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



56.7210, 32.1830, 16.9750



62.9840, 50.7960, 26.5720



69.7820, -31.6810, -4.0410



45.3100, 2.0630, 1.1590



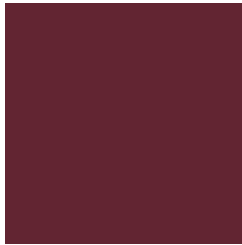
36.2240, 59.0480, 31.2080



77.5740, 126.6690, 66.7410

Previews

White Background



This preview shows how the YIQ color 56.7210, 32.1830, 16.9750 looks on a white background.

Color Contrast Check

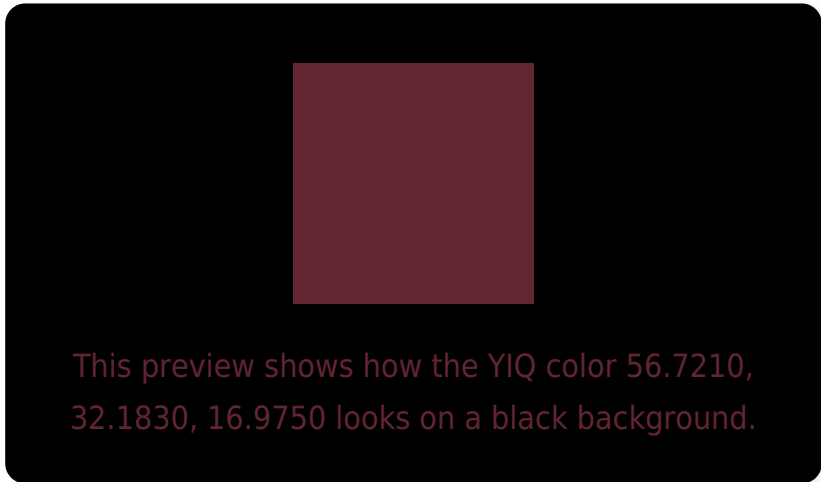
Large Text (above 18pt) WCAG AA ✓ Pass

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

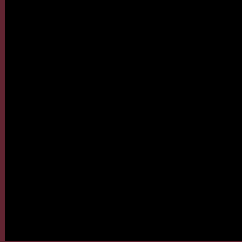
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 56.7210, 32.1830, 16.9750

Background



This preview shows how black text looks on a background with the YIQ color 56.7210, 32.1830, 16.9750.



This preview shows how white text looks on a background with the YIQ color 56.7210, 32.1830,

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

56.7210, 32.1830, 16.9750

Protanopia

58.6410, -0.3670, 1.1450

Deuteranopia

58.5620, 10.0410, -0.2550



Tritanopia

56.5700, 33.9260, 12.9180

Trichromacy



Original Color

56.7210, 32.1830, 16.9750

Protanomaly

57.6750, 11.4610, 7.0530

Deuteranomaly

57.8560, 18.2010, 6.0490

Tritanomaly

56.3250, 33.2380, 14.3740

Monochromacy



Original Color

56.7210, 32.1830, 16.9750

Achromatopsia

57.0000, 0.0000, 0.0000

Achromatomaly

57.0340, 11.8280, 5.9080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.7210, 32.1830, 16.9750 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(98, 37, 50)` looks like.

```
.text, #text, p{  
    color:rgb(98, 37, 50)  
}
```

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(98, 37, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 37, 50) }
```

Border

The CSS property to change the border of an element to YIQ 56.7210, 32.1830, 16.9750 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(98, 37, 50) }
```


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

```
.border{ border-color:rgb(98, 37, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 37, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 37, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 37, 50);  
box-shadow:4px 4px 4px 4px rgb(98, 37, 50)  
}
```

Background

The CSS property to change the background color of an element to YIQ 56.7210, 32.1830, 16.9750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 37, 50) }
```

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

```
.background{ background-color: rgb(98, 37,  
50) }
```

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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