

Converting Colors

YIQ(56.2820, 16.4610, -6.4750)

Have a look what the booklet for
YIQ(56.2820, 16.4610, -6.4750)
contains.

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Color

**YIQ(56.2820, 16.4610,
-6.4750)**

Conversions

Conversions Part 1

Format	Color
Hex	44381B
RGB	68, 56, 27
RGB Percent	27%, 22%, 11%
CMY	0.7333, 0.7804, 0.8940
CMYK	0.00, 0.18, 0.60, 0.73
HSL	42°, 43%, 19%
HSV	42°, 60%, 27%
XYZ	3.9961, 4.1361, 1.6260
YIQ	56.2820, 16.4610, -6.4750

Conversions

Conversions Part 2

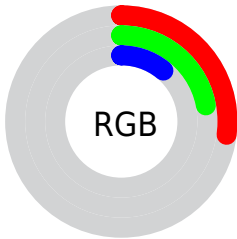
Format	Color
R_{YB}	44, 68, 27
Decimal	4470811
CIE _{Lab}	24.12, 0.95, 19.92
CIE _{LCh}	24, 19.937, 87.282
Yxy	4.1361, 0.4095, 0.4239
Android (android.graphics.Color)	4282660891 (0xFF44381B)
YUV	56.2820, -14.4360, 10.2767
Hunter-Lab	20.3375, -0.5172, 9.4959

Details

The YIQ color **56.2820, 16.4610, -6.4750** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **38.7180, -16.4610, 6.4750**, and the grayscale version is **56.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **103.8370, 19.2120, -6.7720**, and **14.2090, 9.5370, -2.1350** is the 20% darker color. If you saturate the color by 10%, you get **54.3100, 19.2580, -7.6060**, and if you desaturate by 10%, it is **58.2540, 13.6640, -5.3440**.

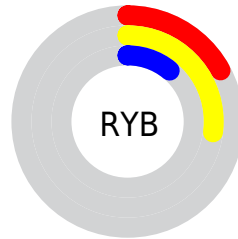
Distribution



 Red (27%)

 Green (22%)

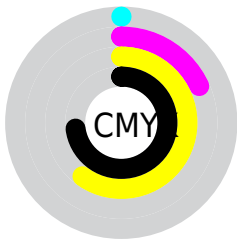
 Blue (11%)



 Red (17%)

 Yellow (27%)

 Blue (11%)

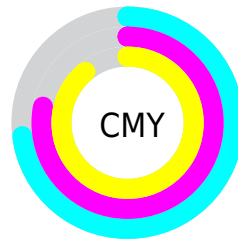


 Cyan (0%)


 Magenta (18%)

 Yellow (60%)

 Black (73%)



 Cyan (73%)

 Magenta (78%)

 Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 56.2820, 16.4610, -6.4750 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 56.2820, 16.4610, -6.4750 by changing the saturation by 10% instead.

■ 56.2820, 16.4610,
-6.4750

■ 56.2820, 16.4610,
-6.4750

■ 255.0000, -0.0000,
-0.0000

■ 34.2280, 16.5530,
-8.1430

■ 103.8370, 19.2120,
-6.7720

■ 14.2090, 9.5370,
-2.1350

■ 129.0220, 20.1290,
-6.8710

■ 0.0000, 0.0000,
0.0000

■ 154.9080, 20.4500,
-7.1820

■ 181.5060, 21.6420,
-6.7580

■ 209.3920, 21.9630,
-7.0690

■ 237.5770, 22.8800,

-7.1680

■ 251.9220, 8.6670,
-8.3970

■ 56.2820, 16.4610,
-6.4750

■ 56.2820, 16.4610,
-6.4750

■ 54.3100, 19.2580,
-7.6060

■ 58.2540, 13.6640,
-5.3440

■ 52.3380, 22.0550,
-8.7370

■ 60.2260, 10.8670,
-4.2130

■ 50.4800, 24.5310,
-9.5570

■ 62.0840, 8.3910,
-3.3930

■ 48.5080, 27.3280,
-10.6880

■ 64.0560, 5.5940,
-2.2620

■ 66.0280, 2.7970,
-1.1310

■ 68.0000, -0.0000,
0.0000

■ 69.9720, -2.7970,
1.1310

■ 71.8300, -5.2730,
1.9510

■ 73.8020, -8.0700,
3.0820

Harmonies

Analogous

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



57.6190, 23.0620, 0.5500



56.2820, 16.4610, -6.4750



55.0740, 5.1830, -11.3370

Triad

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



56.2820, 16.4610, -6.4750



46.2490, -40.6660, -11.9140



59.6240, 7.4710, 13.2870

Complementary

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



56.2820, 16.4610, -6.4750



38.7180, -16.4610, 6.4750

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.



58.3170, -7.8420, 9.9660



56.2820, 16.4610, -6.4750



46.3290, -43.6470, -7.4470

Square

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



56.2820, 16.4610, -6.4750



47.4150, -29.5700, -14.7700



53.8200, -25.6760, 2.7720



58.2570, 18.7500, 12.6220

Rectangle

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



56.2820, 16.4610, -6.4750



53.3440, -4.4450, -13.0610



53.8200, -25.6760, 2.7720



59.1720, 2.9320, 12.9480

Sweetspot

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



56.2820, 16.4610, -6.4750



84.8280, 6.2360, -2.8840



40.6270, 20.5840, 12.4240



43.0990, 4.0350, -1.5410



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



56.2820, 16.4610, -6.4750



70.5510, 25.7690, -9.9670



60.9340, 8.3930, -14.4470



32.0710, 1.2380, -0.4100



69.5060, 38.8370, -15.5230



160.3090, 89.7790, -35.6690

Inverse Universe

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



38.7180, -16.4610, 6.4750



43.4490, -25.7690, 9.9670



34.0660, -8.3930, 14.4470



30.9290, -1.2380, 0.4100



27.4940, -38.8370, 15.5230



64.2780, -90.0540, 35.1460

Previews

White Background



This preview shows how the YIQ color 56.2820, 16.4610, -6.4750 looks on a white background.

Color Contrast Check

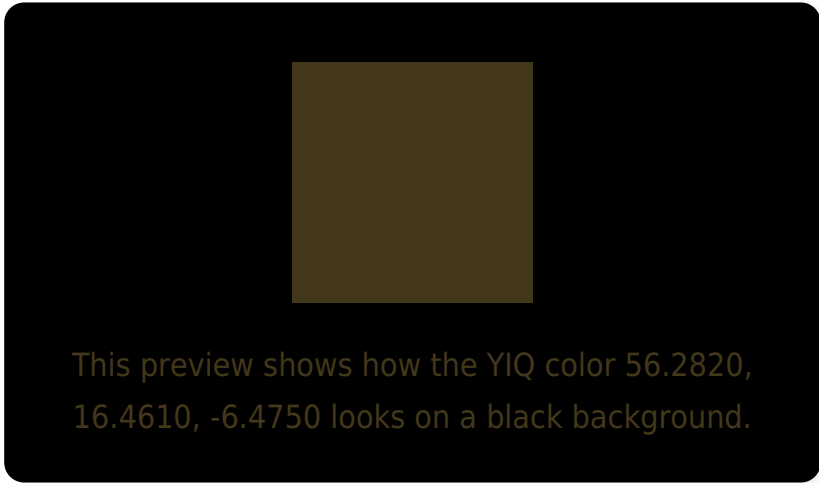
Large Text (above 18pt) WCAG AA ✓ Pass

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

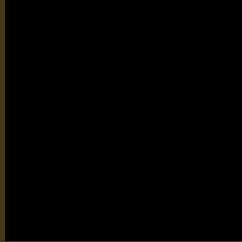
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 56.2820, 16.4610, -6.4750

Background



This preview shows how black text looks on a background with the YIQ color 56.2820, 16.4610, -6.4750.



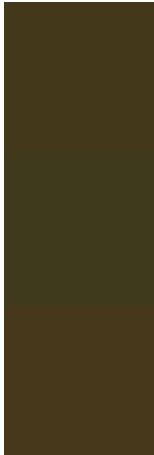
This preview shows how white text looks on a background with the YIQ color 56.2820, 16.4610,

-6.4750.

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

56.2820, 16.4610, -6.4750

Protanopia

56.3740, 13.2060, -8.0580

Deuteranopia

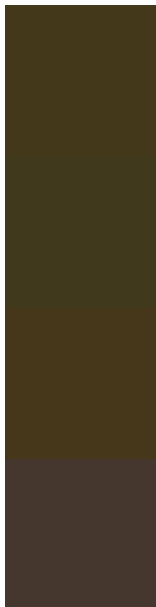
56.5920, 18.5240, -5.3160



Tritanopia

58.5390, 8.8480, 4.8480

Trichromacy



Original Color

56.2820, 16.4610, -6.4750

Protanomaly

56.0860, 14.0770, -7.3230

Deuteranomaly

56.2930, 17.9280, -5.5280

Tritanomaly

57.5730, 11.5080, 0.6920

Monochromacy



Original Color

56.2820, 16.4610, -6.4750

Achromatopsia

56.0000, -0.0000, 0.0000

Achromatomaly

55.9420, 5.9150, -2.5730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 56.2820, 16.4610, -6.4750 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(68, 56, 27)` looks like.

```
.text, #text, p{  
    color:rgb(68, 56, 27)  
}
```

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(68, 56, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 56, 27) }
```

Border

The CSS property to change the border of an element to YIQ 56.2820, 16.4610, -6.4750 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(68, 56, 27) }
```


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

```
.border{ border-color:rgb(68, 56, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 56, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 56, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 56, 27);  
box-shadow:4px 4px 4px 4px rgb(68, 56, 27)  
}
```

Background

The CSS property to change the background color of an element to YIQ 56.2820, 16.4610, -6.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 56, 27) }
```

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

```
.background{ background-color: rgb(68, 56,  
27) }
```

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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