

Converting Colors

YIQ(27.7230, 47.0370, 23.1090)

Have a look what the booklet for
YIQ(27.7230, 47.0370, 23.1090)
contains.

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Color

**YIQ(27.7230, 47.0370,
23.1090)**

Conversions

Conversions Part 1

Format	Color
Hex	57000F
RGB	87, 0, 15
RGB Percent	34%, 0%, 6%
CMY	0.6586, 1.0000, 0.9410
CMYK	0.00, 1.00, 0.83, 0.66
HSL	350°, 100%, 17%
HSV	350°, 100%, 34%
XYZ	4.0222, 2.0635, 0.6399
YIQ	27.7230, 47.0370, 23.1090

Conversions

Conversions Part 2

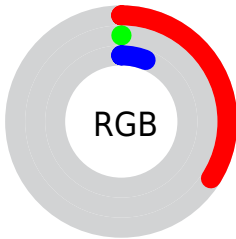
Format	Color
R_{YB}	87, 0, 15
Decimal	5701647
CIE Lab	15.82, 37.10, 18.12
CIE LCh	16, 41.284, 26.031
Yxy	2.0635, 0.5980, 0.3068
Android (android.graphics.Color)	4283891727 (0xFF57000F)
YUV	27.7230, -6.2724, 51.9859
Hunter-Lab	14.3649, 24.8413, 7.4143

Details

The YIQ color **27.7230, 47.0370, 23.1090** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **59.2770, -47.0370, -23.1090**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **82.1270, 51.5310, 18.7550**, and **9.9810, 19.3470, 7.3070** is the 20% darker color. If you saturate the color by 10%, you get **27.7230, 47.0370, 23.1090**, and if you desaturate by 10%, it is **33.8040, 42.3150, 20.5790**.

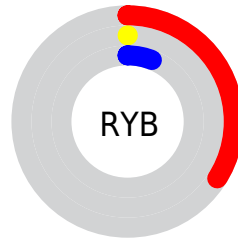
Distribution



Red (34%)

Green (0%)

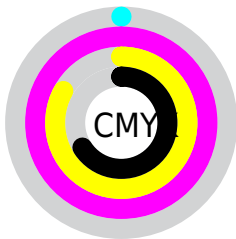
Blue (6%)



Red (34%)

Yellow (0%)

Blue (6%)

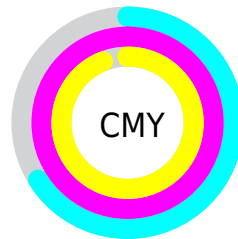


Cyan (0%)

Magenta (100%)

Yellow (83%)

Black (66%)



Cyan (66%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 27.7230, 47.0370, 23.1090 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 27.7230, 47.0370, 23.1090 by changing the saturation by 10% instead.


 27.7230, 47.0370,
23.1090


 27.7230, 47.0370,
23.1090

 246.6050, 8.4820,
0.4660


 17.9400, 35.7600,
12.7200


 82.1270, 51.5310,
18.7550


 9.9810, 19.3470,
7.3070

 107.7960, 53.9610,
18.7690

 0.0000, 0.0000,
0.0000


 134.1770, 57.2620,
19.5180


 160.9600, 59.3710,
19.8430


 187.2480, 58.5000,
19.1080


 206.7620, 42.1330,


12.8610


 226.3900, 25.4450,
6.9250


 27.7230, 47.0370,
23.1090

 33.8040, 42.3150,
20.5790

 39.2980, 37.8680,
18.5720

 45.4930, 32.8250,
16.3530

 51.5740, 28.1030,
13.8230

 57.6550, 23.3810,
11.2930

■ 63.1490, 18.9340,
9.2860

■ 69.2300, 14.2120,
6.7560

■ 75.4250, 9.1690,
4.5370

■ 80.9190, 4.7220,
2.5300

Harmonies

Analogous

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



31.1430, 37.4070, 32.4390



27.7230, 47.0370, 23.1090



35.9260, 38.3750, 3.8710

Triad

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



27.7230, 47.0370, 23.1090



28.7630, -13.4750, -25.6270



37.7010, -44.1540, 7.2540

Complementary

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



27.7230, 47.0370, 23.1090



59.2770, -47.0370, -23.1090

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.



39.3820, -41.9980, 1.2180



27.7230, 47.0370, 23.1090



33.8130, -24.9390, -16.0990

Square

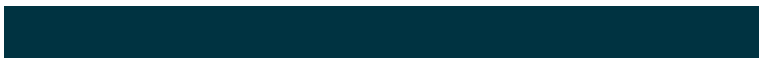
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.7230, 47.0370, 23.1090



33.8900, 2.5250, -18.2350



37.3470, -34.8900, -6.4580



36.2520, -26.4120, 16.1160

Rectangle

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



27.7230, 47.0370, 23.1090



37.6100, 27.2810, -4.3270



37.3470, -34.8900, -6.4580



38.6470, -44.0620, 5.5860

Sweetspot

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



27.7230, 47.0370, 23.1090



89.4370, 18.0630, 8.5510



31.1470, 14.3890, 42.1090



42.3220, 10.9570, 5.1730



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000

Same Dimension

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



27.7230, 47.0370, 23.1090



35.6540, 60.6530, 29.6530



42.4490, 44.1520, 3.8000



40.3100, 2.0630, 1.1590



34.1590, 57.6730, 28.5930



74.9390, 126.8990, 62.5710

Inverse Universe

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



27.7230, 47.0370, 23.1090



35.6540, 60.6530, 29.6530



44.5510, -44.1520, -3.8000



40.3100, 2.0630, 1.1590



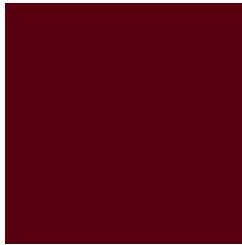
34.1590, 57.6730, 28.5930



74.9390, 126.8990, 62.5710

Previews

White Background



This preview shows how the YIQ color 27.7230, 47.0370, 23.1090 looks on a white background.

Color Contrast Check

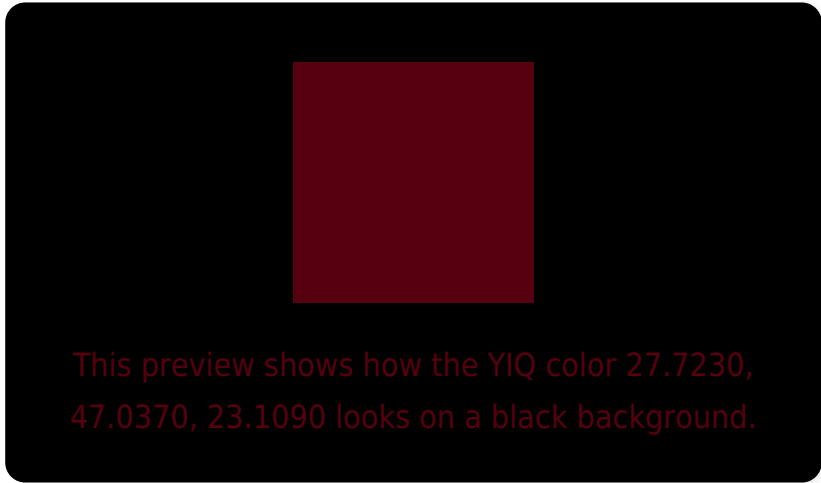
Large Text (above 18pt) WCAG AA ✓ Pass

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

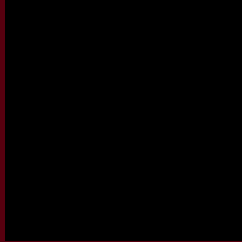
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 27.7230, 47.0370, 23.1090

Background



This preview shows how black text looks on a background with the YIQ color 27.7230, 47.0370, 23.1090.

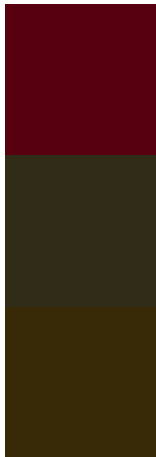


This preview shows how white text looks on a background with the YIQ color 27.7230, 47.0370,

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

27.7230, 47.0370, 23.1090

Protanopia

42.9160, 8.8040, -5.3720

Deuteranopia

42.0820, 19.9000, -8.2280



Tritanopia

30.7090, 49.6520, 14.2600

Trichromacy



Original Color

27.7230, 47.0370, 23.1090

Protanomaly

37.3680, 22.5110, 5.0310

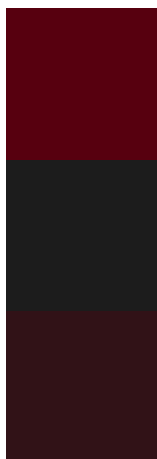
Deuteranomaly

36.9080, 29.6180, 2.8820

Tritanomaly

29.5180, 48.8720, 17.3840

Monochromacy



Original Color

27.7230, 47.0370, 23.1090

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

27.8390, 16.8710, 8.1270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 27.7230, 47.0370, 23.1090 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(87, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 15)  
}
```

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(87, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 15) }
```

Border

The CSS property to change the border of an element to YIQ 27.7230, 47.0370, 23.1090 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(87, 0, 15) }
```


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

```
.border{ border-color:rgb(87, 0, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 0, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 0, 15); box-shadow:4px  
4px 4px 4px rgb(87, 0, 15) }
```

Background

The CSS property to change the background color of an element to YIQ 27.7230, 47.0370, 23.1090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 15) }
```

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

```
.background{ background-color: rgb(87, 0,  
15) }
```

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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