

Converting Colors

YIQ(24.6750, 46.9920, 18.4160)

Have a look what the booklet for
YIQ(24.6750, 46.9920, 18.4160)
contains.

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Color

**YIQ(24.6750, 46.9920,
18.4160)**

Conversions

Conversions Part 1

Format	Color
Hex	510004
RGB	81, 0, 4
RGB Percent	32%, 0%, 2%
CMY	0.6822, 1.0000, 0.9841
CMYK	0.00, 1.00, 0.95, 0.68
HSL	357°, 100%, 16%
HSV	357°, 100%, 32%
XYZ	3.4198, 1.7604, 0.2758
YIQ	24.6750, 46.9920, 18.4160

Conversions

Conversions Part 2

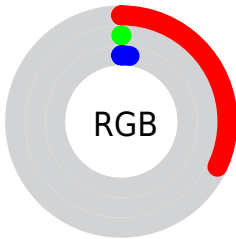
Format	Color
R_YB	81, 0, 4
Decimal	5308420
CIE Lab	14.18, 35.00, 20.50
CIE LCh	14, 40.557, 30.357
Yxy	1.7604, 0.6268, 0.3227
Android (android.graphics.Color)	4283498500 (0xFF510004)
YUV	24.6750, -10.1928, 49.3970
Hunter-Lab	13.2680, 22.7887, 8.0553

Details

The YIQ color **24.6750, 46.9920, 18.4160** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **56.3250, -46.9920, -18.4160**, and the grayscale version is **25.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **78.0620, 50.1560, 16.1400**, and **6.5780, 13.1120, 4.6640** is the 20% darker color. If you saturate the color by 10%, you get **24.6750, 46.9920, 18.4160**, and if you desaturate by 10%, it is **30.2830, 42.2240, 16.7200**.

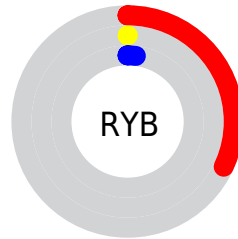
Distribution



Red (32%)

Green (0%)

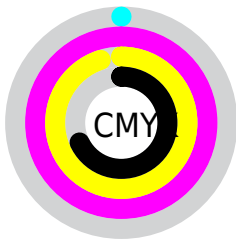
Blue (2%)



Red (32%)

Yellow (0%)

Blue (2%)

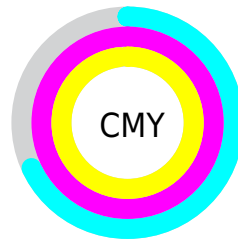


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (68%)



Cyan (68%)

Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.6750, 46.9920, 18.4160 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 24.6750, 46.9920, 18.4160 by changing the saturation by 10% instead.

■ 24.6750, 46.9920,
18.4160

■ 24.6750, 46.9920,
18.4160

■ 243.8180, 12.1960,
-0.7640

■ 16.4450, 32.7800,
11.6600

■ 78.0620, 50.1560,
16.1400

■ 6.5780, 13.1120,
4.6640

■ 103.9160, 53.5030,
16.0550

■ 0.0000, 0.0000,
0.0000


■ 129.9980, 56.2080,
16.5920


■ 156.7810, 58.3170,
16.9170


■ 183.9770, 60.7010,
17.7650

■ 203.9750, 45.8470,


11.6310


 223.6030, 29.1590,
5.6950


 24.6750, 46.9920,
18.4160

 30.2830, 42.2240,
16.7200

 35.7770, 37.7770,
14.7130

 41.3850, 33.0090,
13.0170

 46.9930, 28.2410,
11.3210

 53.1880, 23.1980,
9.1020

■ 58.6820, 18.7510,
7.0950

■ 64.2900, 13.9830,
5.3990

■ 69.8980, 9.2150,
3.7030

■ 75.3920, 4.7680,
1.6960

Harmonies

Analogous

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



29.0350, 37.5910, 29.1030



24.6750, 46.9920, 18.4160



32.9470, 33.8820, 2.6980

Triad

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



24.6750, 46.9920, 18.4160



27.0020, -12.6500, -24.0580



34.1960, -41.1740, 8.3140

Complementary

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



24.6750, 46.9920, 18.4160



56.3250, -46.9920, -18.4160

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.



36.8060, -40.2560, 2.6880



24.6750, 46.9920, 18.4160



31.6930, -24.4810, -13.3850

Square

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



24.6750, 46.9920, 18.4160



29.4380, -2.0140, -18.5740



35.4720, -33.7440, -5.2000



34.9110, -18.0220, 18.2500

Rectangle

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



24.6750, 46.9920, 18.4160



34.6310, 22.7880, -5.5000



35.4720, -33.7440, -5.2000



35.2560, -41.4030, 6.9570

Sweetspot

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



24.6750, 46.9920, 18.4160



82.7960, 18.4300, 7.4060



32.2570, 19.8910, 41.5150



40.0940, 11.5990, 4.5510



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.



24.6750, 46.9920, 18.4160



31.9650, 60.9750, 23.8150



45.3510, 38.3760, -1.6560



38.1960, 2.3840, 0.8480



70.7360, 134.4200, 52.9160

Inverse Universe

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



24.6750, 46.9920, 18.4160



31.9650, 60.9750, 23.8150



35.6490, -38.3760, 1.6560



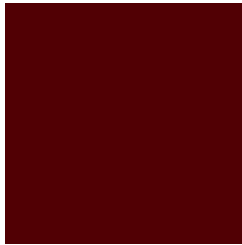
38.1960, 2.3840, 0.8480



70.7360, 134.4200, 52.9160

Previews

White Background



This preview shows how the YIQ color 24.6750, 46.9920, 18.4160 looks on a white background.

Color Contrast Check

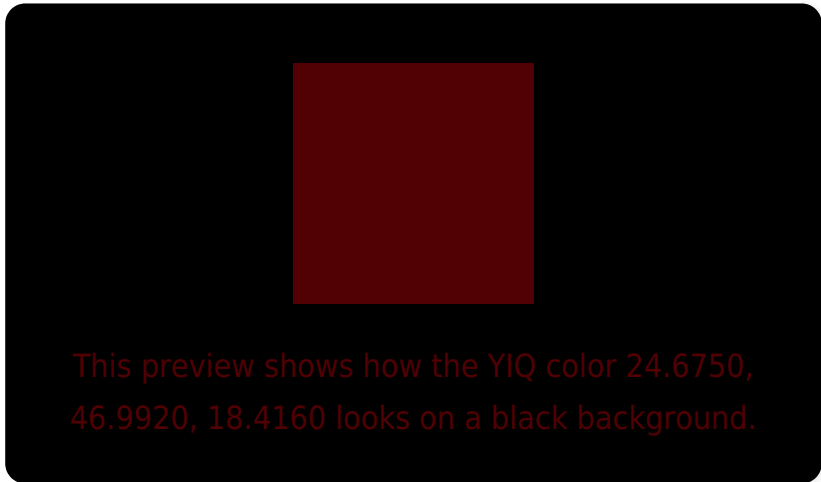
Large Text (above 18pt) WCAG AA ✓ Pass

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

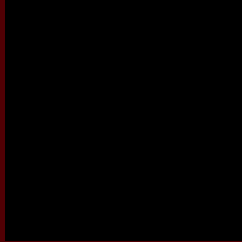
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 24.6750, 46.9920, 18.4160

Background



This preview shows how black text looks on a background with the YIQ color 24.6750, 46.9920, 18.4160.

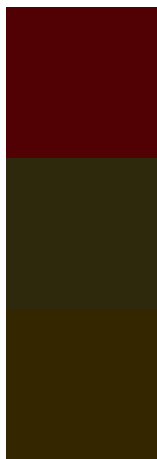


This preview shows how white text looks on a background with the YIQ color 24.6750, 46.9920,

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

24.6750, 46.9920, 18.4160

Protanopia

39.1890, 12.2890, -7.9590

Deuteranopia

38.4410, 20.2670, -9.3730



Tritanopia

28.0290, 45.7550, 13.2990

Trichromacy



Original Color

24.6750, 46.9920, 18.4160

Protanomaly

33.9290, 25.1250, 1.7090

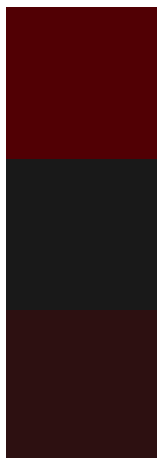
Deuteranomaly

33.6260, 30.3520, 0.5920

Tritanomaly

26.3820, 46.2590, 15.1790

Monochromacy



Original Color

24.6750, 46.9920, 18.4160

Achromatopsia

25.0000, -0.0000, -0.0000

Achromatomaly

24.7850, 16.9630, 6.4590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.6750, 46.9920, 18.4160 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(81, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 4)  
}
```

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(81, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 4) }
```

Border

The CSS property to change the border of an element to YIQ 24.6750, 46.9920, 18.4160 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(81, 0, 4) }
```

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

```
.border{ border-color:rgb(81, 0, 4) }
```

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

Here you see how a box with a 4 pixel rgb(81, 0, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 0, 4); box-shadow:4px  
4px 4px 4px rgb(81, 0, 4) }
```

Background

The CSS property to change the background color of an element to YIQ 24.6750, 46.9920, 18.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 4) }
```

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

```
.background{ background-color: rgb(81, 0,  
4) }
```

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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