

Converting Colors

YIQ(24.2190, 48.2760, 17.1720)

Have a look what the booklet for
YIQ(24.2190, 48.2760, 17.1720)
contains.

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Color

**YIQ(24.2190, 48.2760,
17.1720)**

Conversions

Conversions Part 1

Format	Color
Hex	510000
RGB	81, 0, 0
RGB Percent	32%, 0%, 0%
CMY	0.6822, 1.0000, 0.9998
CMYK	0.00, 1.00, 1.00, 0.68
HSL	360°, 100%, 16%
HSV	360°, 100%, 32%
XYZ	3.3978, 1.7516, 0.1604
YIQ	24.2190, 48.2760, 17.1720

Conversions

Conversions Part 2

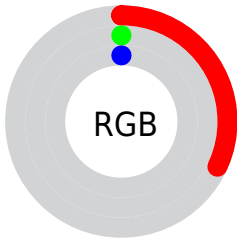
Format	Color
R_{YB}	81, 0, 0
Decimal	5308416
CIE Lab	14.13, 34.86, 22.06
CIE LCh	14, 41.253, 32.327
Yxy	1.7516, 0.6399, 0.3299
Android (android.graphics.Color)	4283498496 (0xFF510000)
YUV	24.2190, -11.9400, 49.7969
Hunter-Lab	13.2348, 22.6659, 8.5458

Details

The YIQ color **24.2190, 48.2760, 17.1720** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **56.7810, -48.2760, -17.1720**, and the grayscale version is **24.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **77.7200, 51.1190, 15.2070**, and **6.2790, 12.5160, 4.4520** is the 20% darker color. If you saturate the color by 10%, you get **24.2190, 48.2760, 17.1720**, and if you desaturate by 10%, it is **29.8270, 43.5080, 15.4760**.

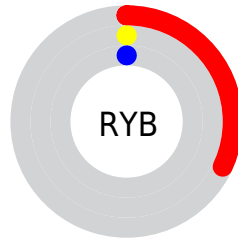
Distribution



Red (32%)

Green (0%)

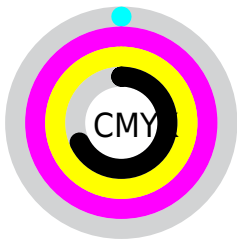
Blue (0%)



Red (32%)

Yellow (0%)

Blue (0%)

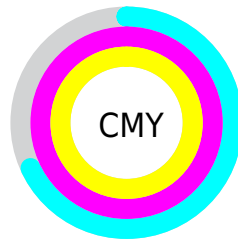


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.2190, 48.2760, 17.1720 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 24.2190, 48.2760, 17.1720 by changing the saturation by 10% instead.

■ 24.2190, 48.2760,
17.1720

■ 24.2190, 48.2760,
17.1720

■ 242.7750, 13.7550,
-1.4850

■ 16.1460, 32.1840,
11.4480

■ 77.7200, 51.1190,
15.2070

■ 6.2790, 12.5160,
4.4520

■ 103.1010, 54.4200,
15.9560

■ 0.0000, 0.0000,
0.0000


■ 129.6560, 57.1710,
15.6590


■ 156.7380, 59.8760,
16.1960


■ 183.9340, 62.2600,
17.0440


■ 203.6330, 46.8100,


10.6980


 223.1470, 30.4430,
4.4510


 24.2190, 48.2760,
17.1720

 29.8270, 43.5080,
15.4760

 35.4350, 38.7400,
13.7800

 41.0430, 33.9720,
12.0840

 46.6510, 29.2040,
10.3880

 52.9600, 23.8400,
8.4800

■ 58.5680, 19.0720,
6.7840

■ 64.1760, 14.3040,
5.0880

■ 69.7840, 9.5360,
3.3920

■ 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.



29.1060, 38.8290, 28.6930



24.2190, 48.2760, 17.1720



33.2350, 33.0110, 1.9630

Triad

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



24.2190, 48.2760, 17.1720



27.2300, -13.2920, -23.4360



33.7230, -41.2200, 9.1480

Complementary

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



24.2190, 48.2760, 17.1720



56.7810, -48.2760, -17.1720

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.



36.4470, -40.6230, 3.8330



24.2190, 48.2760, 17.1720



32.3940, -25.0770, -13.5970

Square

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



24.2190, 48.2760, 17.1720



28.5410, -3.8020, -19.2100



35.7000, -34.3860, -4.5780



35.5200, -15.3630, 19.6210

Rectangle

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



24.2190, 48.2760, 17.1720



34.3320, 22.1920, -5.7120



35.7000, -34.3860, -4.5780



35.3700, -41.7240, 7.2680

Sweetspot

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



24.2190, 48.2760, 17.1720



82.5680, 19.0720, 6.7840



33.1540, 21.6790, 42.1510



39.9800, 11.9200, 4.2400



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.



24.2190, 48.2760, 17.1720



31.3950, 62.5800, 22.2600



47.1120, 37.5510, -3.2250



38.1960, 2.3840, 0.8480



69.3680, 138.2720, 49.1840

Inverse Universe

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



24.2190, 48.2760, 17.1720



31.3950, 62.5800, 22.2600



33.8880, -37.5510, 3.2250



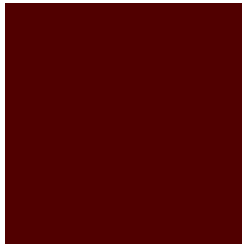
38.1960, 2.3840, 0.8480



69.3680, 138.2720, 49.1840

Previews

White Background



This preview shows how the YIQ color 24.2190, 48.2760, 17.1720 looks on a white background.

Color Contrast Check

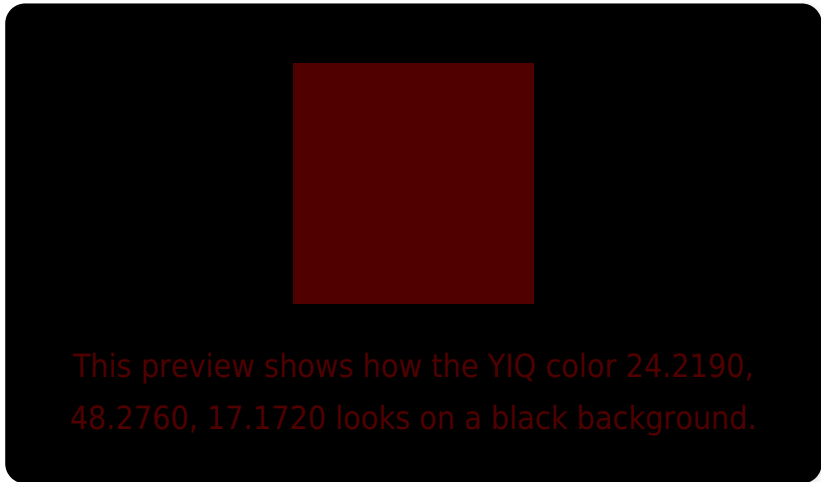
Large Text (above 18pt) WCAG AA ✓ Pass

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

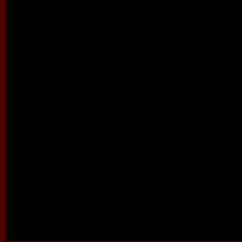
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 24.2190, 48.2760, 17.1720

Background



This preview shows how black text looks on a background with the YIQ color 24.2190, 48.2760, 17.1720.

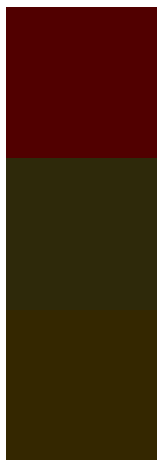


This preview shows how white text looks on a background with the YIQ color 24.2190, 48.2760,

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

24.2190, 48.2760, 17.1720

Protanopia

38.9610, 12.9310, -8.5810

Deuteranopia

38.4410, 20.2670, -9.3730



Tritanopia

28.6160, 45.4800, 12.7760

Trichromacy



Original Color

24.2190, 48.2760, 17.1720

Protanomaly

33.5870, 26.0880, 0.7760

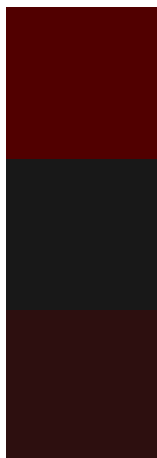
Deuteranomaly

33.5120, 30.6730, 0.2810

Tritanomaly

26.8550, 46.3050, 14.3450

Monochromacy



Original Color

24.2190, 48.2760, 17.1720

Achromatopsia

24.0000, -0.0000, 0.0000

Achromatomaly

23.9700, 17.8800, 6.3600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.2190, 48.2760, 17.1720 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to YIQ 24.2190, 48.2760, 17.1720 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, 0) }
```

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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to YIQ 24.2190, 48.2760, 17.1720 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, 0) }
```

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

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

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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