

Converting Colors

YIQ(29.8750, 43.5530, 20.1690)

Have a look what the booklet for
YIQ(29.8750, 43.5530, 20.1690)
contains.

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Color

**YIQ(29.8750, 43.5530,
20.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	540510
RGB	84, 5, 16
RGB Percent	33%, 2%, 6%
CMY	0.6704, 0.9805, 0.9371
CMYK	0.00, 0.94, 0.81, 0.67
HSL	352°, 89%, 17%
HSV	352°, 94%, 33%
XYZ	3.8084, 2.0325, 0.6834
YIQ	29.8750, 43.5530, 20.1690

Conversions

Conversions Part 2

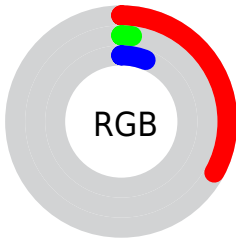
Format	Color
R_{YB}	84, 5, 16
Decimal	5506320
CIE Lab	15.66, 34.64, 17.22
CIE LCh	16, 38.686, 26.429
Yxy	2.0325, 0.5837, 0.3115
Android (android.graphics.Color)	4283696400 (0xFF540510)
YUV	29.8750, -6.8404, 47.4676
Hunter-Lab	14.2565, 22.7342, 7.1372

Details

The YIQ color **29.8750, 43.5530, 20.1690** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **59.1250, -43.5530, -20.1690**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.2190, 48.2760, 17.1720**, and **8.7850, 16.9630, 6.4590** is the 20% darker color. If you saturate the color by 10%, you get **26.4840, 46.2120, 21.5400**, and if you desaturate by 10%, it is **35.3690, 39.1060, 18.1620**.

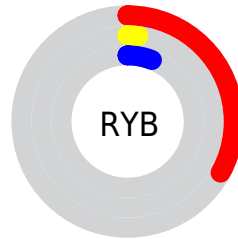
Distribution



Red (33%)

Green (2%)

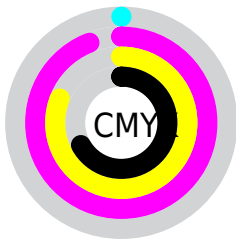
Blue (6%)



Red (33%)

Yellow (2%)

Blue (6%)

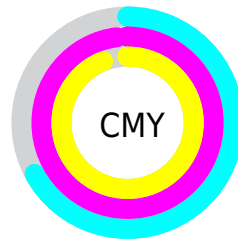


Cyan (0%)

Magenta (94%)

Yellow (81%)

Black (67%)



Cyan (67%)


Magenta (98%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 29.8750, 43.5530, 20.1690 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 29.8750, 43.5530, 20.1690 by changing the saturation by 10% instead.


 29.8750, 43.5530,
20.1690


 29.8750, 43.5530,
20.1690

 247.3060, 7.8860,
0.2540


 17.3420, 34.5680,
12.2960


 82.2190, 48.2760,
17.1720


 8.7850, 16.9630,
6.4590

 108.1870, 51.3020,
17.3980

 0.0000, 0.0000,
0.0000


 133.9700, 53.4110,
17.7230


 161.0520, 56.1160,
18.2600


 188.5360, 57.6290,
18.3730


 208.0500, 41.2620,


12.1260

 227.6780, 24.5740,
6.1900


 29.8750, 43.5530,
20.1690


 29.8750, 43.5530,
20.1690


 26.4840, 46.2120,
21.5400

 35.3690, 39.1060,
18.1620

 41.4500, 34.3840,
15.6320

 47.0580, 29.6160,
13.9360

 53.1390, 24.8940,
11.4060

 58.6330, 20.4470,
9.3990

■ 64.1270, 16.0000,
7.3920

■ 70.3220, 10.9570,
5.1730

■ 75.8160, 6.5100,
3.1660

■ 81.8970, 1.7880,
0.6360

Harmonies

Analogous

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



30.1320, 35.9400, 31.4920



29.8750, 43.5530, 20.1690



35.6160, 36.3120, 2.7120

Triad

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



29.8750, 43.5530, 20.1690



28.4040, -13.8420, -24.4820



36.6580, -42.5950, 6.5330

Complementary

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



29.8750, 43.5530, 20.1690



59.1250, -43.5530, -20.1690

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.



38.4530, -40.7600, 0.8080



29.8750, 43.5530, 20.1690



33.3400, -24.9850, -15.2650

Square

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



29.8750, 43.5530, 20.1690



33.6020, 3.3960, -17.5000



36.5320, -33.9730, -6.5570



36.9920, -22.7440, 15.7200

Rectangle

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



29.8750, 43.5530, 20.1690



37.3110, 26.6850, -4.5390



36.5320, -33.9730, -6.5570



37.6040, -42.5030, 4.8650

Sweetspot

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



29.8750, 43.5530, 20.1690



88.7250, 17.1920, 7.8160



34.0390, 14.5730, 38.7730



43.0230, 10.3610, 4.9610



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.



29.8750, 43.5530, 20.1690



34.6000, 60.7450, 27.9850



45.0570, 39.3840, 2.1040



38.1960, 2.3840, 0.8480



33.1050, 57.7650, 26.9250



73.0160, 128.0000, 59.1360

Inverse Universe

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



29.8750, 43.5530, 20.1690



34.6000, 60.7450, 27.9850



43.9430, -39.3840, -2.1040



38.1960, 2.3840, 0.8480



33.1050, 57.7650, 26.9250



73.0160, 128.0000, 59.1360

Previews

White Background



This preview shows how the YIQ color 29.8750, 43.5530, 20.1690 looks on a white background.

Color Contrast Check

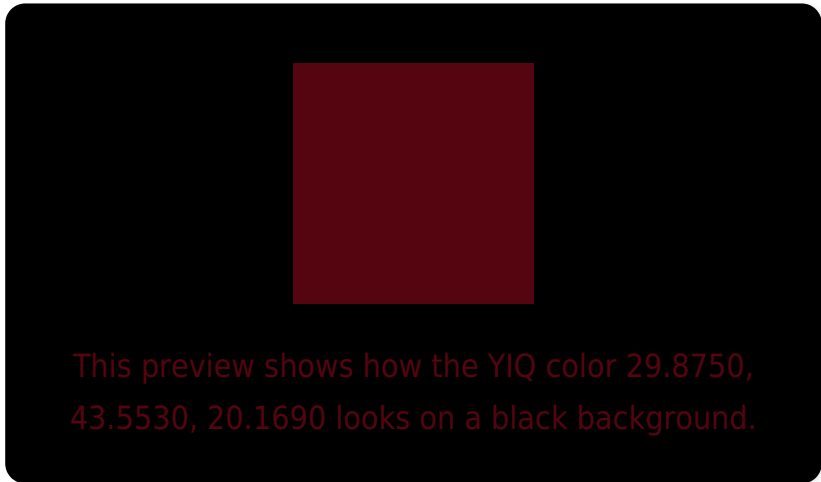
Large Text (above 18pt) WCAG AA ✓ Pass

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

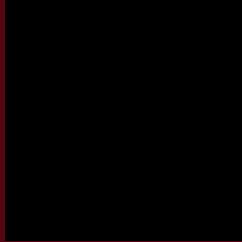
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 29.8750, 43.5530, 20.1690

Background



This preview shows how black text looks on a background with the YIQ color 29.8750, 43.5530, 20.1690.

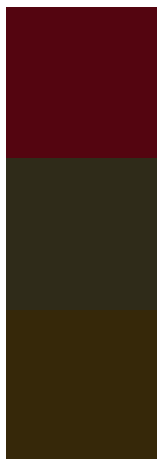


This preview shows how white text looks on a background with the YIQ color 29.8750, 43.5530,

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

29.8750, 43.5530, 20.1690

Protanopia

42.1440, 8.1620, -4.7500

Deuteranopia

40.6520, 18.2950, -6.6730



Tritanopia

30.2680, 46.5800, 14.8680

Trichromacy



Original Color

29.8750, 43.5530, 20.1690

Protanomaly

37.4710, 20.7230, 4.3950

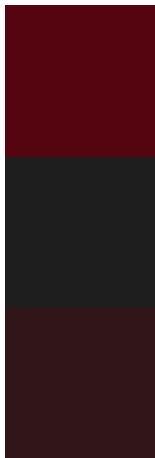
Deuteranomaly

36.6520, 27.4630, 3.3910

Tritanomaly

30.1370, 45.5710, 16.6350

Monochromacy



Original Color

29.8750, 43.5530, 20.1690

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

30.1270, 16.0000, 7.3920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.8750, 43.5530, 20.1690 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(84, 5, 16)` looks like.

```
.text, #text, p{  
    color:rgb(84, 5, 16)  
}
```

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(84, 5, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 5, 16) }
```

Border

The CSS property to change the border of an element to YIQ 29.8750, 43.5530, 20.1690 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(84, 5, 16) }
```


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

```
.border{ border-color:rgb(84, 5, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 5, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 5, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(84, 5, 16); box-shadow:4px  
4px 4px 4px rgb(84, 5, 16) }
```

Background

The CSS property to change the background color of an element to YIQ 29.8750, 43.5530, 20.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 5, 16) }
```

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

```
.background{ background-color: rgb(84, 5,  
16) }
```

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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