

Converting Colors

YIQ(25.4020, 43.5070, 21.0030)

Have a look what the booklet for
YIQ(25.4020, 43.5070, 21.0030)
contains.

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Color

**YIQ(25.4020, 43.5070,
21.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	50000D
RGB	80, 0, 13
RGB Percent	31%, 0%, 5%
CMY	0.6861, 1.0000, 0.9489
CMYK	0.00, 1.00, 0.84, 0.69
HSL	350°, 100%, 16%
HSV	350°, 100%, 31%
XYZ	3.3855, 1.7368, 0.5390
YIQ	25.4020, 43.5070, 21.0030

Conversions

Conversions Part 2

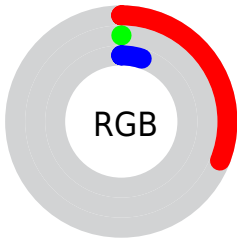
Format	Color
RYB	80, 0, 13
Decimal	5242893
CIELab	14.04, 35.03, 16.50
CIElCh	14, 38.717, 25.223
Yxy	1.7368, 0.5980, 0.3068
Android (android.graphics.Color)	4283432973 (0xFF50000D)
YUV	25.4020, -6.1142, 47.8824
Hunter-Lab	13.1789, 22.7906, 6.8004

Details

The YIQ color **25.4020, 43.5070, 21.0030** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **54.5980, -43.5070, -21.0030**, and the grayscale version is **25.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **78.4470, 47.6340, 17.7940**, and **6.2790, 12.5160, 4.4520** is the 20% darker color. If you saturate the color by 10%, you get **25.4020, 43.5070, 21.0030**, and if you desaturate by 10%, it is **30.8960, 39.0600, 18.9960**.

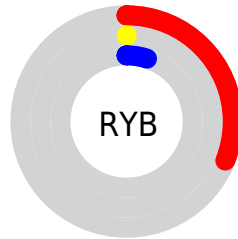
Distribution



Red (31%)

Green (0%)

Blue (5%)



Red (31%)

Yellow (0%)

Blue (5%)

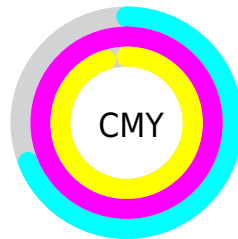


Cyan (0%)

Magenta (100%)

Yellow (84%)

Black (69%)



Cyan (69%)

Magenta (100%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 25.4020, 43.5070, 21.0030 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 25.4020, 43.5070, 21.0030 by changing the saturation by 10% instead.

■ 25.4020, 43.5070,
21.0030

■ 25.4020, 43.5070,
21.0030

■ 244.6160, 9.9490,
1.4130

■ 16.1460, 32.1840,
11.4480

■ 78.4470, 47.6340,
17.7940

■ 6.2790, 12.5160,
4.4520

■ 103.5290, 50.3390,
18.3310

■ 0.0000, 0.0000,
0.0000


■ 130.1980, 52.7690,
18.3450


■ 156.9810, 54.8780,
18.6700


■ 184.1770, 57.2620,
19.5180


■ 204.7730, 43.6000,


13.8080


 224.4010, 26.9120,
7.8720


 25.4020, 43.5070,
21.0030

 30.8960, 39.0600,
18.9960

 36.2760, 34.9340,
16.6780

 41.7700, 30.4870,
14.6710

 47.2640, 26.0400,
12.6640

 52.7580, 21.5930,
10.6570

■ 58.1380, 17.4670,
8.3390

■ 63.6320, 13.0200,
6.3320

■ 69.1260, 8.5730,
4.3250

■ 74.5060, 4.4470,
2.0070

Harmonies

Analogous

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



28.2950, 33.9230, 29.4990



25.4020, 43.5070, 21.0030



32.3710, 35.6240, 4.1680

Triad

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



25.4020, 43.5070, 21.0030



26.4150, -12.3750, -23.5350



34.4410, -40.4860, 6.8580

Complementary

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



25.4020, 43.5070, 21.0030



54.5980, -43.5070, -21.0030

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.



35.5350, -38.0550, 1.3450



25.4020, 43.5070, 21.0030



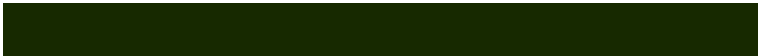
31.0090, -22.5550, -15.2510

Square

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



25.4020, 43.5070, 21.0030



30.9440, 2.4330, -16.5670



34.2010, -31.5430, -6.5430



32.9700, -25.6780, 13.8260

Rectangle

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



25.4020, 43.5070, 21.0030



34.3540, 25.1260, -3.8180



34.2010, -31.5430, -6.5430



35.3870, -40.3940, 5.1900

Sweetspot

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



25.4020, 43.5070, 21.0030



83.1380, 17.4670, 8.3390



29.1530, 14.2520, 39.0840



40.3220, 10.9570, 5.1730



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.



25.4020, 43.5070, 21.0030



33.3330, 57.1230, 27.5470



39.7690, 40.2550, 2.8390



38.1960, 2.3840, 0.8480



73.7000, 126.0740, 61.0020

Inverse Universe

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



25.4020, 43.5070, 21.0030



33.3330, 57.1230, 27.5470



40.2310, -40.2550, -2.8390



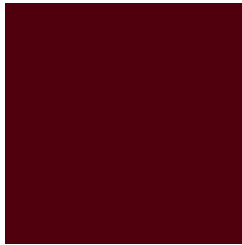
38.1960, 2.3840, 0.8480



73.7000, 126.0740, 61.0020

Previews

White Background



This preview shows how the YIQ color 25.4020, 43.5070, 21.0030 looks on a white background.

Color Contrast Check

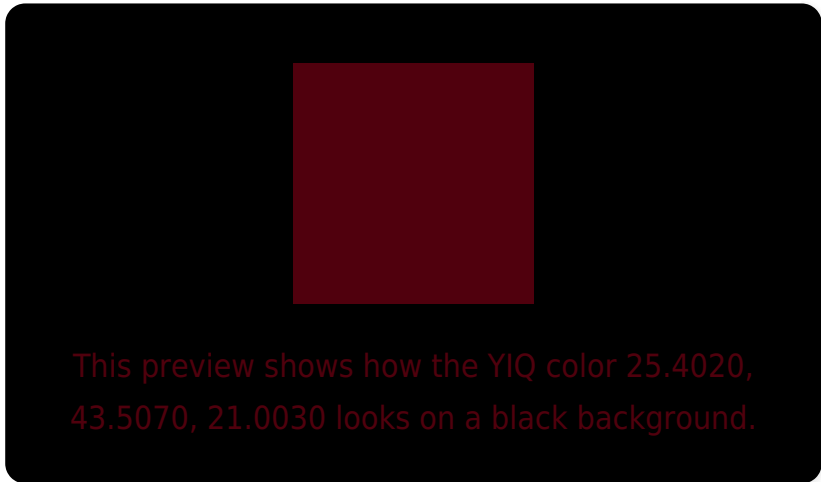
Large Text (above 18pt) WCAG AA ✓ Pass

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

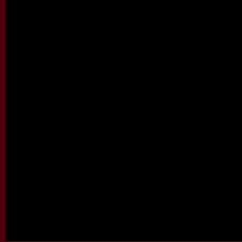
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 25.4020, 43.5070, 21.0030

Background



This preview shows how black text looks on a background with the YIQ color 25.4020, 43.5070, 21.0030.

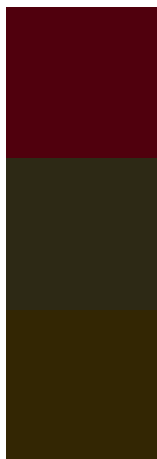


This preview shows how white text looks on a background with the YIQ color 25.4020, 43.5070,

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

25.4020, 43.5070, 21.0030

Protanopia

39.9160, 8.8040, -5.3720

Deuteranopia

37.8970, 18.9830, -8.1290



Tritanopia

28.0290, 45.7550, 13.2990

Trichromacy



Original Color

25.4020, 43.5070, 21.0030

Protanomaly

34.6560, 21.6400, 4.2960

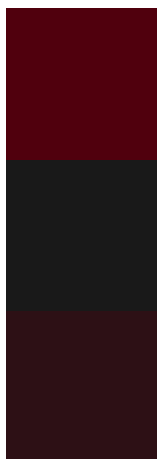
Deuteranomaly

33.4240, 28.1050, 2.7690

Tritanomaly

26.8380, 44.9750, 16.4230

Monochromacy



Original Color

25.4020, 43.5070, 21.0030

Achromatopsia

25.0000, -0.0000, -0.0000

Achromatomaly

25.2410, 15.6790, 7.7030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 25.4020, 43.5070, 21.0030 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(80, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 13)  
}
```

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(80, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 13) }
```

Border

The CSS property to change the border of an element to YIQ 25.4020, 43.5070, 21.0030 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(80, 0, 13) }
```

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

```
.border{ border-color:rgb(80, 0, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 0, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 13); box-shadow:4px  
4px 4px 4px rgb(80, 0, 13) }
```

Background

The CSS property to change the background color of an element to YIQ 25.4020, 43.5070, 21.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 13) }
```

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

```
.background{ background-color: rgb(80, 0,  
13) }
```

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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