

Converting Colors

YIQ(19.8370, 37.5480, 13.3560)

Have a look what the booklet for
YIQ(19.8370, 37.5480, 13.3560)
contains.

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Color

**YIQ(19.8370, 37.5480,
13.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	400101
RGB	64, 1, 1
RGB Percent	25%, 0%, 0%
CMY	0.7489, 0.9962, 0.9959
CMYK	0.00, 0.98, 0.98, 0.75
HSL	360°, 97%, 13%
HSV	360°, 98%, 25%
XYZ	2.1331, 1.1147, 0.1325
YIQ	19.8370, 37.5480, 13.3560

Conversions

Conversions Part 2

Format	Color
RYB	64, 1, 1
Decimal	4194561
CIELab	9.91, 29.34, 15.19
CIElCh	10, 33.044, 27.376
Yxy	1.1147, 0.6310, 0.3298
Android (android.graphics.Color)	4282384641 (0xFF400101)
YUV	19.8370, -9.2866, 38.7310
Hunter-Lab	10.5578, 17.5877, 6.6462

Details

The YIQ color **19.8370, 37.5480, 13.3560** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **45.1630, -37.5480, -13.3560**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **69.5060, 39.9780, 13.3700**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **19.1360, 38.1440, 13.5680**, and if you desaturate by 10%, it is **24.0430, 33.9720, 12.0840**.

Distribution



Red (25%)

Green (0%)

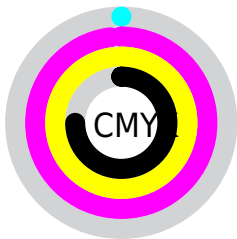
Blue (0%)



Red (25%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (98%)

Yellow (98%)

Black (75%)



Cyan (75%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 19.8370, 37.5480, 13.3560 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 19.8370, 37.5480, 13.3560 by changing the saturation by 10% instead.

■ 19.8370, 37.5480,
13.3560

■ 19.8370, 37.5480,
13.3560

■ 238.8940, 15.0380,
2.7980

■ 12.6720, 24.7110,
9.2150

■ 69.5060, 39.9780,
13.3700

■ 0.0000, 0.0000,
0.0000

■ 94.0010, 42.9580,
14.4300


■ 119.6700, 45.3880,
14.4440


■ 146.4530, 47.4970,
14.7690


■ 173.3500, 49.2850,
15.4050


■ 199.6380, 48.4140,


14.6700


 219.2660, 31.7260,
8.7340


 19.8370, 37.5480,
13.3560


 19.8370, 37.5480,
13.3560


 19.1360, 38.1440,
13.5680

 24.0430, 33.9720,
12.0840

 28.9500, 29.8000,
10.6000

 33.1560, 26.2240,
9.3280

 38.0630, 22.0520,
7.8440

 42.2690, 18.4760,
6.5720

■ 46.4750, 14.9000,
5.3000

■ 51.3820, 10.7280,
3.8160

■ 55.5880, 7.1520,
2.5440

■ 60.4950, 2.9800,
1.0600

Harmonies

Analogous

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



22.5560, 28.5140, 22.8980



19.8370, 37.5480, 13.3560



24.9510, 28.0590, 3.6030

Triad

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



19.8370, 37.5480, 13.3560



21.1320, -9.9000, -18.8280



26.5190, -31.9580, 6.4900

Complementary

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



19.8370, 37.5480, 13.3560



45.1630, -37.5480, -13.3560

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.



27.9550, -30.4900, 1.9100



19.8370, 37.5480, 13.3560



25.1560, -18.4750, -12.0990

Square

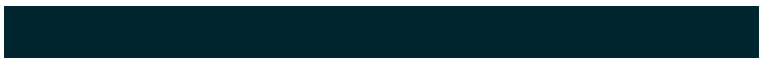
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.8370, 37.5480, 13.3560



23.2690, 0.1400, -13.5560



27.6640, -25.5370, -5.2570



25.6350, -17.4250, 12.9350

Rectangle

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



19.8370, 37.5480, 13.3560



26.3580, 19.3030, -2.9130



27.6640, -25.5370, -5.2570



27.4650, -31.8660, 4.8220

Sweetspot

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



19.8370, 37.5480, 13.3560



66.4750, 14.9000, 5.3000



26.7200, 16.7290, 32.7370



32.4850, 8.9400, 3.1800



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



19.8370, 37.5480, 13.3560



25.1160, 50.0640, 17.8080



37.4470, 29.2980, -2.3340



30.8970, 1.7880, 0.6360



29.0030, 57.8120, 20.5640



66.9760, 133.5040, 47.4880

Inverse Universe

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



19.8370, 37.5480, 13.3560



25.1160, 50.0640, 17.8080



27.5530, -29.2980, 2.3340



30.8970, 1.7880, 0.6360



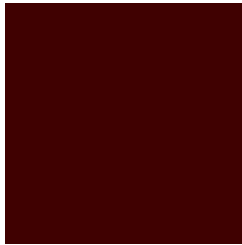
29.0030, 57.8120, 20.5640



66.9760, 133.5040, 47.4880

Previews

White Background



This preview shows how the YIQ color 19.8370, 37.5480, 13.3560 looks on a white background.

Color Contrast Check

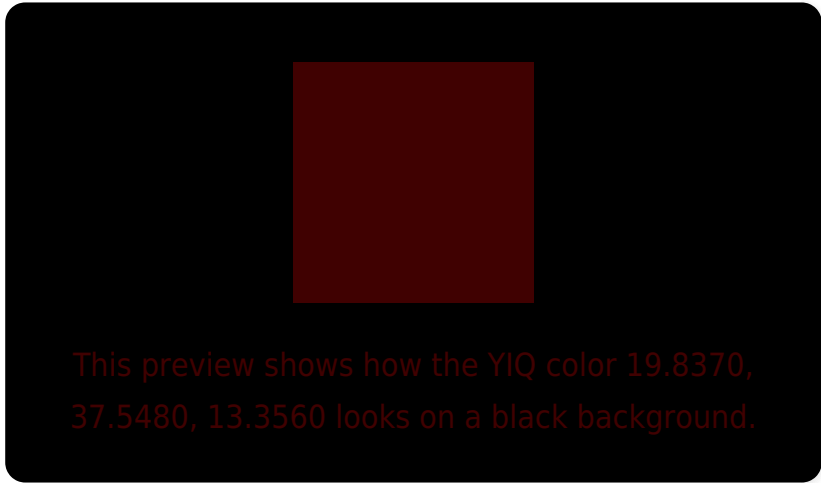
Large Text (above 18pt) WCAG AA ✓ Pass

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

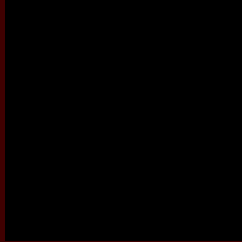
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 19.8370, 37.5480, 13.3560

Background



This preview shows how black text looks on a background with the YIQ color 19.8370, 37.5480, 13.3560.



This preview shows how white text looks on a background with the YIQ color 19.8370, 37.5480,

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

19.8370, 37.5480, 13.3560

Protanopia

30.4600, 10.0880, -6.6160

Deuteranopia

30.4560, 15.9110, -7.5210



Tritanopia

22.6580, 36.4940, 10.4300

Trichromacy



Original Color

19.8370, 37.5480, 13.3560

Protanomaly

26.6510, 20.0360, 0.3240

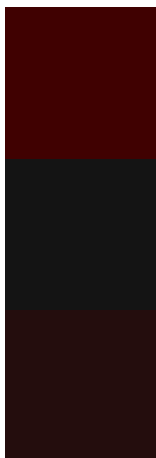
Deuteranomaly

26.3910, 23.7040, -0.0720

Tritanomaly

21.4840, 37.0440, 11.4760

Monochromacy



Original Color

19.8370, 37.5480, 13.3560

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

19.8770, 13.7080, 4.8760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 19.8370, 37.5480, 13.3560 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(64, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(64, 1, 1)  
}
```

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(64, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 1, 1) }
```

Border

The CSS property to change the border of an element to YIQ 19.8370, 37.5480, 13.3560 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(64, 1, 1) }
```


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

```
.border{ border-color:rgb(64, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 1, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 1, 1); box-shadow:4px  
4px 4px 4px rgb(64, 1, 1) }
```

Background

The CSS property to change the background color of an element to YIQ 19.8370, 37.5480, 13.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 1, 1) }
```

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

```
.background{ background-color: rgb(64, 1,  
1) }
```

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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