

Converting Colors

YIQ(39.5400, 0.2210, 45.5730)

Have a look what the booklet for
YIQ(39.5400, 0.2210, 45.5730)
contains.

YIQ(39.5400, 0.2210, 45.5730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(39.5400, 0.2210,
45.5730)**

Conversions

Conversions Part 1

Format	Color
Hex	440A75
RGB	68, 10, 117
RGB Percent	27%, 4%, 46%
CMY	0.7331, 0.9609, 0.5413
CMYK	0.42, 0.91, 0.00, 0.54
HSL	273°, 84%, 25%
HSV	273°, 91%, 46%
XYZ	5.7055, 2.7312, 17.0496
YIQ	39.5400, 0.2210, 45.5730

Conversions

Conversions Part 2

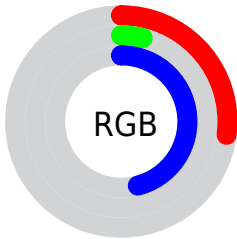
Format	Color
R _{YB}	68, 10, 117
Decimal	4459125
CIE Lab	18.93, 45.20, -47.57
CIE LCh	19, 65.617, 313.536
Yxy	2.7312, 0.2239, 0.1072
Android (android.graphics.Color)	4282649205 (0xFF440A75)
YUV	39.5400, 38.1878, 24.9594
Hunter-Lab	16.5265, 32.7027, -49.5984

Details

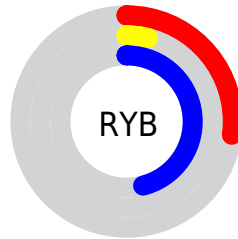
The YIQ color **39.5400, 0.2210, 45.5730** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **87.4600, -0.2210, -45.5730**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **92.8390, 0.8170, 45.7850**, and **12.8350, -11.6960, 24.7520** is the 20% darker color. If you saturate the color by 10%, you get **32.1750, -0.0090, 49.7430**, and if you desaturate by 10%, it is **48.0790, -0.0990, 40.3570**.

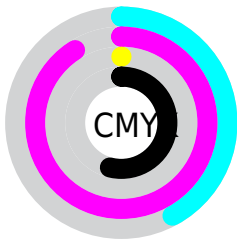
Distribution



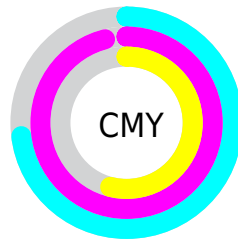
- Red (27%)
- Green (4%)
- Blue (46%)



- Red (27%)
- Yellow (4%)
- Blue (46%)



- Cyan (42%)
- Magenta (91%)
- Yellow (0%)
- Black (54%)



- Cyan (73%)
- Magenta (96%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 39.5400, 0.2210, 45.5730 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 39.5400, 0.2210, 45.5730 by changing the saturation by 10% instead.

■ 39.5400, 0.2210,
45.5730

■ 39.5400, 0.2210,
45.5730

■ 253.8260, 0.5500,
1.0460

■ 22.7470, -5.0960,
37.3040

■ 92.8390, 0.8170,
45.7850

■ 12.8350, -11.6960,
24.7520

■ 119.3660, 0.7710,
46.6190

■ 6.7770, -14.9490,
12.1150

■ 145.6050, 1.5960,
48.1880

■ 3.2090, -7.6580,
6.6300


■ 173.4310, 2.1460,
49.2340

■ 0.0000, 0.0000,
0.0000

■ 197.9510, 12.0050,
41.2610


■ 219.7800, 16.5000,


31.3800


 236.8030, 8.5250,
16.2130

 39.5400, 0.2210,
45.5730


 39.5400, 0.2210,
45.5730

 32.1750, -0.0090,
49.7430

 48.0790, -0.0990,
40.3570

 56.3300, 0.4520,
35.8760

 64.8690, 0.1320,
30.6600

 73.4080, -0.1880,
25.4440

 81.6590, 0.3630,
20.9630

■ 90.1980, 0.0430,
15.7470

■ 98.7370, -0.2770,
10.5310

■ 107.5750, -0.0010,
5.5270

■ 115.5270, -0.0460,
0.8340

Harmonies

Analogous

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



43.7770, -58.5070, 19.5810



39.5400, 0.2210, 45.5730



42.2230, 43.5940, 46.9700

Triad

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



39.5400, 0.2210, 45.5730



42.9920, 38.0090, -0.5110



44.6190, -38.8320, -12.1120

Complementary

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



39.5400, 0.2210, 45.5730



87.4600, -0.2210, -45.5730

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.



37.6310, -21.9110, -26.9270



39.5400, 0.2210, 45.5730



41.0000, 8.0270, -18.8290

Square

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



39.5400, 0.2210, 45.5730



32.2920, 64.3680, 22.8960



34.0460, -15.9500, -30.3340



49.7490, -53.2770, 1.8830

Rectangle

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



39.5400, 0.2210, 45.5730



41.3800, 58.9090, 39.2370



34.0460, -15.9500, -30.3340



42.2080, -33.4210, -16.5650

Sweetspot

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



39.5400, 0.2210, 45.5730



123.2520, -0.0490, 17.4150



51.5480, -48.0970, 7.1270



58.7370, -0.2770, 10.5310



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



39.5400, 0.2210, 45.5730



42.2590, 0.3550, 65.1790



53.7350, 30.7090, 54.7170



54.5810, -0.1380, 2.5020



33.6420, 0.1740, 51.9340



69.1640, 0.8060, 106.5820

Inverse Universe

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



47.5790, 48.0430, 37.9230



53.7270, 68.7180, 54.2060



73.2650, -30.7090, -54.7170



55.0220, 2.9340, 1.8940



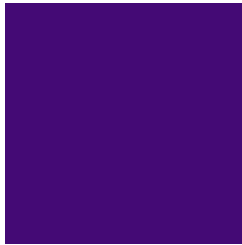
42.8620, 54.7360, 43.2800



87.7460, 112.4060, 88.4540

Previews

White Background



This preview shows how the YIQ color 39.5400, 0.2210, 45.5730 looks on a white background.

Color Contrast Check

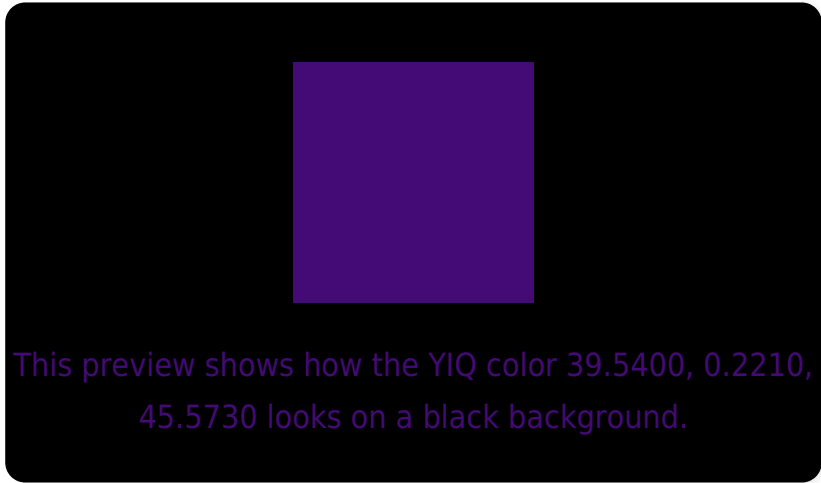
Large Text (above 18pt) WCAG AA ✓ Pass

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

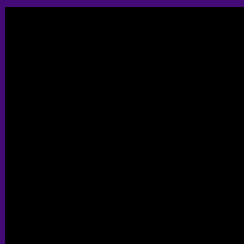
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 39.5400, 0.2210, 45.5730

Background



This preview shows how black text looks on a background with the YIQ color 39.5400, 0.2210, 45.5730.



This preview shows how white text looks on a background with the YIQ color 39.5400, 0.2210,

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

39.5400, 0.2210, 45.5730

Protanopia

38.7610, -44.3830, 5.8970

Deuteranopia

38.9260, -40.7140, -0.0260



Tritanopia

48.5490, 2.8880, 2.7280

Trichromacy



Original Color

39.5400, 0.2210, 45.5730

Protanomaly

39.4030, -28.1550, 20.1730

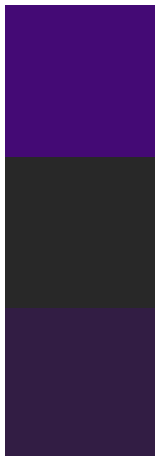
Deuteranomaly

38.9640, -25.5410, 16.8510

Tritanomaly

45.1490, 1.7390, 18.0510

Monochromacy



Original Color

39.5400, 0.2210, 45.5730

Achromatopsia

40.0000, 0.0000, -0.0000

Achromatomaly

39.7250, -0.0030, 16.5810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 39.5400, 0.2210, 45.5730 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(68, 10, 117)` looks like.

```
.text, #text, p{  
    color:rgb(68, 10, 117)  
}
```

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(68, 10, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 10, 117) }
```

Border

The CSS property to change the border of an element to YIQ 39.5400, 0.2210, 45.5730 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(68, 10, 117) }
```


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

```
.border{ border-color:rgb(68, 10, 117) }
```

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

Here you see how a box with a 4 pixel rgb(68, 10, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 10, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 10, 117);  
box-shadow:4px 4px 4px 4px rgb(68, 10,  
117) }
```

Background

The CSS property to change the background color of an element to YIQ 39.5400, 0.2210, 45.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 10, 117) }
```

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

```
.background{ background-color: rgb(68, 10,  
117) }
```

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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