

Converting Colors

YIQ(45.2850, -22.0110, 18.9570)

Have a look what the booklet for
YIQ(45.2850, -22.0110, 18.9570)
contains.

YIQ(45.2850, -22.0110, 18.9570)	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(45.2850, -22.0110,
18.9570)**

Conversions

Conversions Part 1

Format	Color
Hex	242766
RGB	36, 39, 102
RGB Percent	14%, 15%, 40%
CMY	0.8588, 0.8471, 0.6001
CMYK	0.65, 0.62, 0.00, 0.60
HSL	237°, 48%, 27%
HSV	237°, 65%, 40%
XYZ	3.8500, 2.7850, 12.8960
YIQ	45.2850, -22.0110, 18.9570

Conversions

Conversions Part 2

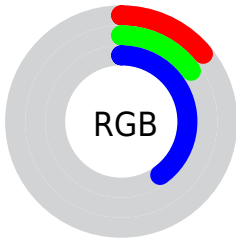
Format	Color
R_{YB}	36, 39, 102
Decimal	2369382
CIE _{Lab}	19.16, 20.16, -37.60
CIE _{LCh}	19, 42.659, 298.199
Yxy	2.7850, 0.1971, 0.1426
Android (android.graphics.Color)	4280559462 (0xFF242766)
YUV	45.2850, 27.9605, -8.1429
Hunter-Lab	16.6882, 11.9754, -34.1352

Details

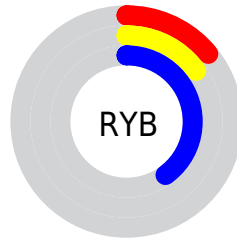
The YIQ color **45.2850, -22.0110, 18.9570** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **92.7150, 22.0110, -18.9570**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **93.4750, -19.4900, 22.8300**, and **6.1560, -17.3340, 16.7940** is the 20% darker color. If you saturate the color by 10%, you get **36.4250, -25.2210, 22.0670**, and if you desaturate by 10%, it is **54.1450, -18.8010, 15.8470**.

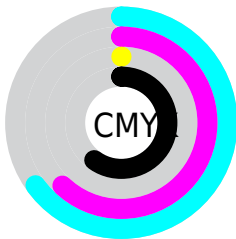
Distribution



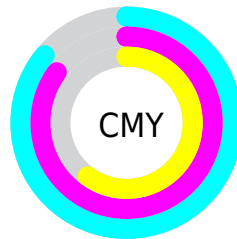
- Red (14%)
- Green (15%)
- Blue (40%)



- Red (14%)
- Yellow (15%)
- Blue (40%)



- Cyan (65%)
- Magenta (62%)
- Yellow (0%)
- Black (60%)



- Cyan (86%)
- Magenta (85%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.2850, -22.0110, 18.9570 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 45.2850, -22.0110, 18.9570 by changing the saturation by 10% instead.

■ 45.2850, -22.0110,
18.9570

■ 45.2850, -22.0110,
18.9570

■ 255.0000, -0.0000,
-0.0000

■ 20.6430, -29.0710,
14.7450

■ 93.4750, -19.4900,
22.8300

■ 6.1560, -17.3340,
16.7940

■ 118.4150,
-19.2610, 24.1870

■ 4.8220, -10.8220,
8.9060

■ 144.2410,
-18.7110, 25.2330

■ 0.4560, -1.2840,
1.2440

■ 171.4690,
-19.3530, 25.8550

■ 0.0000, 0.0000,
0.0000

■ 197.7420,
-15.8680, 23.2680

■ 222.2620, -6.0090,

15.2950

247.9560, 3.3000,
6.2760

45.2850, -22.0110,
18.9570

45.2850, -22.0110,
18.9570

36.4250, -25.2210,
22.0670

54.1450, -18.8010,
15.8470

28.1520, -28.7060,
24.6540

62.4180, -15.3160,
13.2600

18.9930, -32.5120,
27.5520

71.5770, -11.5100,
10.3620

14.5630, -34.1170,
29.1070

80.4370, -8.3000,
7.2520

89.2970, -5.0900,
4.1420

■ 97.5700, -1.6050,
1.5550

■ 106.4300, 1.6050,
-1.5550

■ 115.5890, 5.4110,
-4.4530

■ 124.4490, 8.6210,
-7.5630

Harmonies

Analogous

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



42.3630, -49.0140, 7.2260



45.2850, -22.0110, 18.9570



44.4920, 17.3710, 32.1150

Triad

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



45.2850, -22.0110, 18.9570



43.0140, 40.9430, 1.3830



39.6490, -30.3490, -17.1730

Complementary

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



45.2850, -22.0110, 18.9570



92.7150, 22.0110, -18.9570

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.



34.4850, -18.5640, -27.0120



45.2850, -22.0110, 18.9570



44.3550, 23.3850, -10.8150

Square

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



45.2850, -22.0110, 18.9570



36.4520, 49.2380, 21.7660



40.0810, 3.3050, -21.3590



43.1830, -40.3000, -7.5320

Rectangle

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



45.2850, -22.0110, 18.9570



36.7070, 35.9390, 37.0190



40.0810, 3.3050, -21.3590



38.3950, -26.8180, -20.5940

Sweetspot

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



45.2850, -22.0110, 18.9570



111.1380, -8.8960, 7.0400



81.9240, -38.3730, -14.9250



53.2970, -5.0900, 4.1420



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



45.2850, -22.0110, 18.9570



43.7910, -34.7590, 29.7290



52.4940, -3.3060, 26.8860



46.5700, -1.6050, 1.5550



16.0450, -38.2900, 33.1500



34.0450, -80.7070, 69.5090

Inverse Universe

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



56.0760, 38.3730, 14.9250



60.6660, 60.3790, 23.6030



85.5060, 3.3060, -26.8860



47.4950, 2.9800, 1.0600



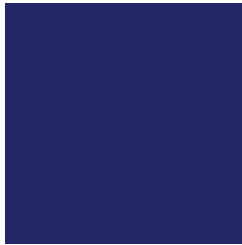
34.9550, 66.9350, 25.9350



73.6120, 140.7010, 54.7250

Previews

White Background



This preview shows how the YIQ color 45.2850, -22.0110, 18.9570 looks on a white background.

Color Contrast Check

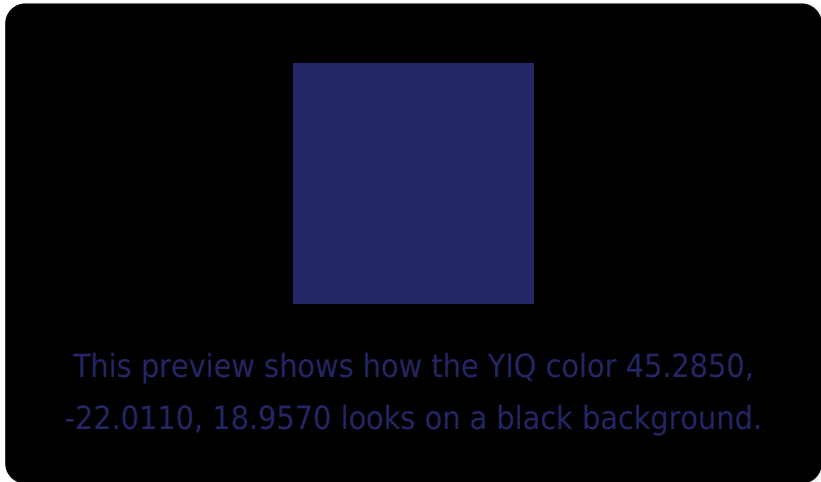
Large Text (above 18pt) WCAG AA ✓ Pass

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

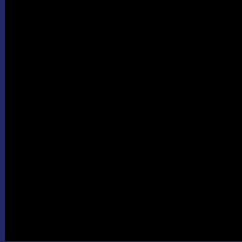
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.2850, -22.0110, 18.9570

Background



This preview shows how black text looks on a background with the YIQ color 45.2850, -22.0110, 18.9570.



This preview shows how white text looks on a background with the YIQ color 45.2850, -22.0110,

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

45.2850, -22.0110, 18.9570

Protanopia

37.3590, -43.1910, 6.3210

Deuteranopia

37.5240, -39.5220, 0.3980



Tritanopia

36.9080, -32.2760, -9.7800

Trichromacy



Original Color

45.2850, -22.0110, 18.9570

Protanomaly

40.3000, -35.5350, 10.7450

Deuteranomaly

40.4480, -33.1960, 6.9000

Tritanomaly

39.7980, -28.6100, 0.8780

Monochromacy



Original Color

45.2850, -22.0110, 18.9570

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.3230, -7.9790, 6.9410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.2850, -22.0110, 18.9570 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(36, 39, 102)` looks like.

```
.text, #text, p{  
    color:rgb(36, 39, 102)  
}
```

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(36, 39, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 39, 102) }
```

Border

The CSS property to change the border of an element to YIQ 45.2850, -22.0110, 18.9570 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(36, 39, 102) }
```


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

```
.border{ border-color:rgb(36, 39, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 39, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 39, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 39, 102);  
box-shadow:4px 4px 4px 4px rgb(36, 39,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 45.2850, -22.0110, 18.9570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 39, 102) }
```

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

```
.background{ background-color: rgb(36, 39,  
102) }
```

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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