

Converting Colors

YIQ(66.4390, -37.0040, 20.8520)

Have a look what the booklet for
YIQ(66.4390, -37.0040, 20.8520)
contains.

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Color

**YIQ(66.4390, -37.0040,
20.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	2C3F8F
RGB	44, 63, 143
RGB Percent	17%, 25%, 56%
CMY	0.8274, 0.7529, 0.4394
CMYK	0.69, 0.56, 0.00, 0.44
HSL	228°, 53%, 37%
HSV	228°, 69%, 56%
XYZ	7.7706, 6.0730, 26.7281
YIQ	66.4390, -37.0040, 20.8520

Conversions

Conversions Part 2

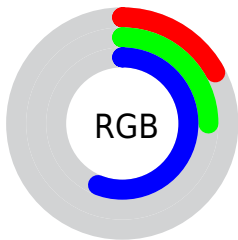
Format	Color
R_{YB}	44, 60, 143
Decimal	2899855
CIE _{Lab}	29.60, 20.47, -46.61
CIE _{LCh}	30, 50.912, 293.712
Yxy	6.0730, 0.1915, 0.1497
Android (android.graphics.Color)	4281089935 (0xFF2C3F8F)
YUV	66.4390, 37.7446, -19.6790
Hunter-Lab	24.6434, 13.1590, -47.0552

Details

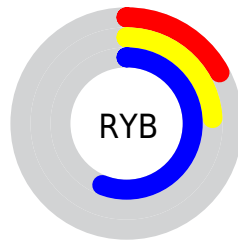
The YIQ color **66.4390, -37.0040, 20.8520** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **120.5610, 37.0040, -20.8520**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **117.5260, -32.6950, 25.3610**, and **23.4020, -35.5820, 17.1060** is the 20% darker color. If you saturate the color by 10%, you get **55.2090, -42.0480, 24.1600**, and if you desaturate by 10%, it is **77.6690, -31.9600, 17.5440**.

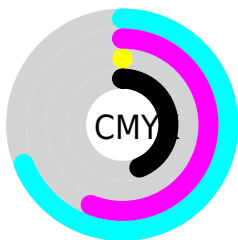
Distribution



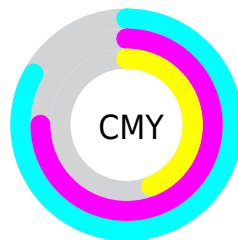
- Red (17%)
- Green (25%)
- Blue (56%)



- Red (17%)
- Yellow (24%)
- Blue (56%)



- Cyan (69%)
- Magenta (56%)
- Yellow (0%)
- Black (44%)



- Cyan (83%)
- Magenta (75%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 66.4390, -37.0040, 20.8520 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 66.4390, -37.0040, 20.8520 by changing the saturation by 10% instead.

■ 66.4390, -37.0040,
20.8520

■ 66.4390, -37.0040,
20.8520

■ 255.0000, -0.0000,
-0.0000

■ 37.4050, -48.8320,
14.9440

■ 117.5260,
-32.6950, 25.3610

■ 23.4020, -35.5820,
17.1060

■ 144.4660,
-32.4660, 26.7180

■ 7.7520, -21.8280,
21.1480

■ 171.4060,
-32.2370, 28.0750

■ 6.7770, -14.9490,
12.1150

■ 195.6270,
-22.9740, 19.8900

■ 3.2090, -7.6580,
6.6300

■ 220.1470,
-13.1150, 11.9170

■ 0.0000, 0.0000,
0.0000

■ 246.1400, -3.2100,

■ 66.4390, -37.0040,
20.8520

■ 66.4390, -37.0040,
20.8520

■ 55.2090, -42.0480,
24.1600

■ 77.6690, -31.9600,
17.5440

■ 44.2670, -47.9630,
26.7330

■ 88.6110, -26.0450,
14.9710

■ 33.0370, -53.0070,
30.0410

■ 99.8410, -21.0010,
11.6630

■ 32.1510, -53.3280,
30.3520

■ 110.4840,
-15.6820, 8.8780

■ 121.7140,
-10.6380, 5.5700

■ 132.6560, -4.7230,
2.9970

■ 143.8860, 0.3210,
-0.3110

■ 154.5290, 5.6400,
-3.0960

■ 166.0580, 11.2800,
-6.1920

Harmonies

Analogous

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



62.1850, -69.0040, 6.0680



66.4390, -37.0040, 20.8520



69.6970, 15.5360, 37.8400

Triad

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



66.4390, -37.0040, 20.8520



63.7680, 59.1910, 1.0710



57.3220, -42.9100, -26.3180

Complementary

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



66.4390, -37.0040, 20.8520



120.5610, 37.0040, -20.8520

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.



50.6590, -28.2820, -38.1220



66.4390, -37.0040, 20.8520



65.9620, 37.5530, -14.2790

Square

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



66.4390, -37.0040, 20.8520



59.4260, 61.2950, 29.0310



61.9430, 12.2010, -28.3990



62.5830, -56.3460, -14.0900

Rectangle

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



66.4390, -37.0040, 20.8520



63.5490, 39.5600, 42.9840



61.9430, 12.2010, -28.3990



55.1390, -38.1410, -30.1490

Sweetspot

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



66.4390, -37.0040, 20.8520



156.1420, -14.7190, 7.9450



111.1190, -52.5840, -27.2080



75.9700, -8.4830, 5.0610



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



66.4390, -37.0040, 20.8520



66.5790, -57.4090, 32.7270



64.2560, -13.8990, 37.1490



65.9720, -2.7970, 1.1310



30.6520, -50.4850, 28.3870



1.4990, -2.8430, 1.9650

Inverse Universe

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



75.7670, 52.9050, 26.8970



81.3520, 82.4750, 41.6670



122.7440, 13.8990, -37.1490



66.3210, 3.5300, 2.1060



43.3290, 72.1140, 36.7060



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 66.4390, -37.0040, 20.8520 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



This preview shows how the YIQ color 66.4390, -37.0040, 20.8520 looks on a 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 66.4390, -37.0040, 20.8520

Background



This preview shows how black text looks on a background with the YIQ color 66.4390, -37.0040, 20.8520.



This preview shows how white text looks on a background with the YIQ color 66.4390, -37.0040,

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

66.4390, -37.0040, 20.8520

Protanopia

55.6310, -64.3280, 9.4320

Deuteranopia

55.6990, -59.0080, 1.1200



Tritanopia

54.6610, -47.8180, -14.4580

Trichromacy



Original Color

66.4390, -37.0040, 20.8520

Protanomaly

59.8280, -54.5170, 13.3470

Deuteranomaly

59.5200, -50.8940, 8.2580

Tritanomaly

59.0180, -43.9690, -1.6090

Monochromacy



Original Color

66.4390, -37.0040, 20.8520

Achromatopsia

66.0000, -0.0000, -0.0000

Achromatomaly

66.2130, -13.4810, 7.5350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.4390, -37.0040, 20.8520 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(44, 63, 143)` looks like.

```
.text, #text, p{  
    color:rgb(44, 63, 143)  
}
```

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(44, 63, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 63, 143) }
```

Border

The CSS property to change the border of an element to YIQ 66.4390, -37.0040, 20.8520 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(44, 63, 143) }
```


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

```
.border{ border-color:rgb(44, 63, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 63, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 63, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 63, 143);  
box-shadow:4px 4px 4px 4px rgb(44, 63,  
143) }
```

Background

The CSS property to change the background color of an element to YIQ 66.4390, -37.0040, 20.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 63, 143) }
```

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

```
.background{ background-color: rgb(44, 63,  
143) }
```

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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