

Converting Colors

YIQ(69.7700, -37.1520, 78.6240)

Have a look what the booklet for
YIQ(69.7700, -37.1520, 78.6240)
contains.

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Color

**YIQ(69.7700, -37.1520,
78.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	531DF5
RGB	83, 29, 245
RGB Percent	33%, 11%, 96%
CMY	0.6742, 0.8864, 0.0395
CMYK	0.66, 0.88, 0.00, 0.04
HSL	255°, 91%, 54%
HSV	255°, 88%, 96%
XYZ	20.4812, 9.3074, 87.0390
YIQ	69.7700, -37.1520, 78.6240

Conversions

Conversions Part 2

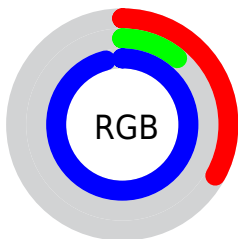
Format	Color
R_{YB}	83, 29, 245
Decimal	5447157
CIE _{Lab}	36.57, 73.17, -94.98
CIE _{LCh}	37, 119.894, 307.610
Y _{xy}	9.3074, 0.1753, 0.0797
Android (android.graphics.Color)	4283637237 (0xFF531DF5)
YUV	69.7700, 86.3884, 11.6027
Hunter-Lab	30.5080, 66.4451, -147.7983

Details

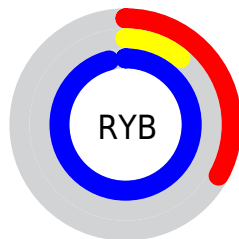
The YIQ color **69.7700, -37.1520, 78.6240** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **204.2300, 37.1520, -78.6240**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.8860, -14.5920, 66.2400**, and **21.3180, -60.0270, 58.1570** is the 20% darker color. If you saturate the color by 10%, you get **49.7130, -41.0050, 87.8830**, and if you desaturate by 10%, it is **89.2400, -33.0240, 69.8880**.

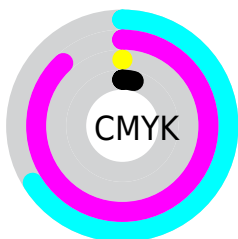
Distribution



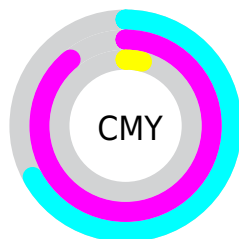
- Red (33%)
- Green (11%)
- Blue (96%)



- Red (33%)
- Yellow (11%)
- Blue (96%)



- Cyan (66%)
- Magenta (88%)
- Yellow (0%)
- Black (4%)



- Cyan (67%)
- Magenta (89%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 69.7700, -37.1520, 78.6240 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 69.7700, -37.1520, 78.6240 by changing the saturation by 10% instead.

■ 69.7700, -37.1520,
78.6240

■ 69.7700, -37.1520,
78.6240

■ 255.0000, -0.0000,
-0.0000

■ 35.0890, -48.4760,
74.5960

■ 125.8860,
-14.5920, 66.2400

■ 21.3180, -60.0270,
58.1570

■ 151.8900, -3.2200,
58.3800

■ 18.1260, -51.0390,
49.4490

■ 177.3070, 8.4270,
51.0430

■ 15.0480, -42.3720,
41.0520

■ 203.3110, 19.7990,
43.1830

■ 15.4920, -35.3550,
29.5170

■ 222.1280, 15.4000,
29.2880

■ 14.9900, -28.4300,
19.6500

■ 239.1510, 7.4250,

■ 9.3190, -19.3510,

14.1210

14.8010

■ 4.9360, -11.1430,
9.2170

■ 0.7980, -2.2470,
2.1770

■ 69.7700, -37.1520,
78.6240

■ 69.7700, -37.1520,
78.6240

■ 49.7130, -41.0050,
87.8830

■ 89.2400, -33.0240,
69.8880

■ 46.1690, -42.2890,
89.1270

■ 109.5960,
-28.5750, 60.8410

■ 129.0660,
-24.4470, 52.1050

■ 149.1230,
-20.5940, 42.8460

■ 168.8920,
-15.8700, 34.3220

■ 188.9490,
-12.0170, 25.0630

■ 208.7180, -7.2930,
16.5390

■ 228.7750, -3.4400,
7.2800

■ 248.2450, 0.6880,
-1.4560

Harmonies

Analogous

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



86.5960, -108.8050, 28.0510



69.7700, -37.1520, 78.6240



80.6600, 71.9660, 94.4780

Triad

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



69.7700, -37.1520, 78.6240



74.5540, 83.5810, 10.5970



80.0450, -66.9350, -25.9350

Complementary

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



69.7700, -37.1520, 78.6240



204.2300, 37.1520, -78.6240

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.



66.3310, -31.0750, -59.0990



69.7700, -37.1520, 78.6240



78.2340, 24.4430, -29.9970

Square

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



69.7700, -37.1520, 78.6240



64.2850, 128.1400, 45.5800



62.8090, -29.4250, -55.9610



92.7500, -98.5760, 2.3520

Rectangle

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



69.7700, -37.1520, 78.6240



81.2520, 107.6850, 80.3970



62.8090, -29.4250, -55.9610



75.5820, -55.7460, -35.9860

Sweetspot

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



69.7700, -37.1520, 78.6240



201.3080, -11.6500, 23.9180



148.7180, -113.8860, -17.5500



95.5500, -6.8800, 14.5600



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



69.7700, -37.1520, 78.6240



48.2060, -43.7110, 92.8730



102.0620, 27.2160, 101.5200



112.2650, -2.0640, 4.3680



35.2570, -31.6940, 67.8100



11.2110, -9.9990, 21.5290

Inverse Universe

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



112.0520, 76.7340, 96.1740



98.0190, 90.6690, 113.4610



171.9380, -27.2160, -101.5200



114.6140, 4.2630, 5.3430



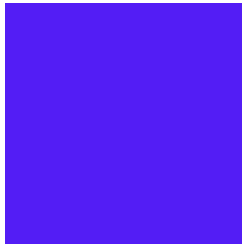
71.5740, 65.9160, 82.9720



22.6570, 21.0400, 26.1920

Previews

White Background



This preview shows how the YIQ color 69.7700, -37.1520, 78.6240 looks on a white background.

Color Contrast Check

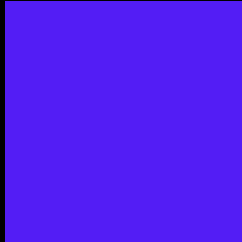
Large Text (above 18pt) WCAG AA ✓ Pass

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 69.7700, -37.1520, 78.6240 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 69.7700, -37.1520, 78.6240

Background



This preview shows how black text looks on a background with the YIQ color 69.7700, -37.1520, 78.6240.



This preview shows how white text looks on a background with the YIQ color 69.7700, -37.1520,

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

69.7700, -37.1520, 78.6240

Protanopia

68.5570, -78.6790, 10.7050

Deuteranopia

68.5280, -71.7080, 0.0040



Tritanopia

67.2790, -58.5460, -18.2740

Trichromacy



Original Color

69.7700, -37.1520, 78.6240

Protanomaly

68.7510, -63.6450, 35.6110

Deuteranomaly

69.1610, -59.2880, 28.2320

Tritanomaly

68.0890, -50.7580, 16.8100

Monochromacy



Original Color

69.7700, -37.1520, 78.6240

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

69.9860, -13.4390, 28.8090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 69.7700, -37.1520, 78.6240 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(83, 29, 245)` looks like.

```
.text, #text, p{  
    color:rgb(83, 29, 245)  
}
```

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(83, 29, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 29, 245) }
```

Border

The CSS property to change the border of an element to YIQ 69.7700, -37.1520, 78.6240 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(83, 29, 245) }
```


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

```
.border{ border-color:rgb(83, 29, 245) }
```

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

Here you see how a box with a 4 pixel rgb(83, 29, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 29, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 29, 245);  
box-shadow:4px 4px 4px 4px rgb(83, 29,  
245) }
```

Background

The CSS property to change the background color of an element to YIQ 69.7700, -37.1520, 78.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 29, 245) }
```

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

```
.background{ background-color: rgb(83, 29,  
245) }
```

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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