

Converting Colors

YIQ(52.3210, -45.7730, 86.1870)

Have a look what the booklet for
YIQ(52.3210, -45.7730, 86.1870)
contains.

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Color

**YIQ(52.3210, -45.7730,
86.1870)**

Conversions

Conversions Part 1

Format	Color
Hex	3E09FA
RGB	62, 9, 250
RGB Percent	24%, 4%, 98%
CMY	0.7565, 0.9649, 0.0200
CMYK	0.75, 0.96, 0.00, 0.02
HSL	253°, 96%, 51%
HSV	253°, 96%, 98%
XYZ	19.3291, 8.1176, 90.9134
YIQ	52.3210, -45.7730, 86.1870

Conversions

Conversions Part 2

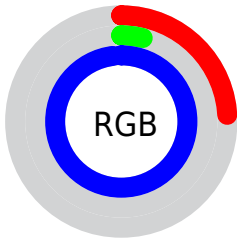
Format	Color
R _{YB}	62, 9, 250
Decimal	4065786
CIE Lab	34.23, 77.54, -101.73
CIE LCh	34, 127.913, 307.314
Yxy	8.1176, 0.1633, 0.0686
Android (android.graphics.Color)	4282255866 (0xFF3E09FA)
YUV	52.3210, 97.4557, 8.4885
Hunter-Lab	28.4913, 71.2381, -169.2454

Details

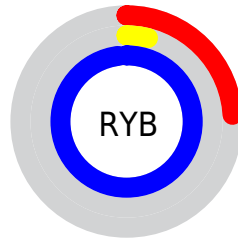
The YIQ color **52.3210, -45.7730, 86.1870** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **206.6790, 45.7730, -86.1870**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.1290, -19.5900, 68.7140**, and **21.8880, -61.6320, 59.7120** is the 20% darker color. If you saturate the color by 10%, you get **44.9450, -47.4700, 89.4100**, and if you desaturate by 10%, it is **72.9760, -40.7280, 77.3520**.

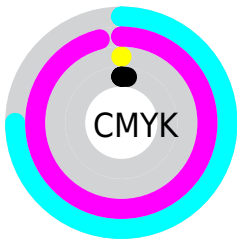
Distribution



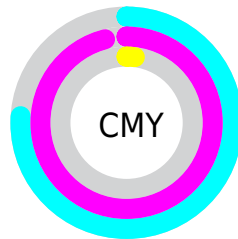
- Red (24%)
- Green (4%)
- Blue (98%)



- Red (24%)
- Yellow (4%)
- Blue (98%)



- Cyan (75%)
- Magenta (96%)
- Yellow (0%)
- Black (2%)



- Cyan (76%)
- Magenta (96%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 52.3210, -45.7730, 86.1870 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 52.3210, -45.7730, 86.1870 by changing the saturation by 10% instead.

■ 52.3210, -45.7730,
86.1870

■ 52.3210, -45.7730,
86.1870

■ 255.0000, -0.0000,
-0.0000

■ 25.0800, -70.6200,
68.4200

■ 116.1290,
-19.5900, 68.7140

■ 21.7740, -61.3110,
59.4010

■ 142.1440, -6.7510,
61.8010

■ 18.5820, -52.3230,
50.6930

■ 168.4470, 5.2170,
54.1530

■ 15.5040, -43.6560,
42.2960

■ 194.4510, 16.5890,
46.2930

■ 19.4700, -38.2890,
27.6230

■ 216.2580, 18.1500,
34.5180


■ 16.0330, -29.9890,
20.3710


■ 232.6940, 10.4500,


■ 10.3620, -20.9100,


19.8740


15.5220


 250.3040, 2.2000,
4.1840


 5.3920, -12.4270,
10.4610


 2.0690, -4.4480,
3.5200


 52.3210, -45.7730,
86.1870

 52.3210, -45.7730,
86.1870

 44.9450, -47.4700,
89.4100

 72.9760, -40.7280,
77.3520

 93.3320, -36.2790,
68.3050

 113.9870,
-31.2340, 59.4700

 134.3430,
-26.7850, 50.4230

■ 154.6990,
-22.3360, 41.3760

■ 175.3540,
-17.2910, 32.5410

■ 195.7100,
-12.8420, 23.4940

■ 216.3650, -7.7970,
14.6590

■ 236.7210, -3.3480,
5.6120

Harmonies

Analogous

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



84.8350, -107.9800, 29.6200



52.3210, -45.7730, 86.1870



80.3610, 71.3700, 94.2660

Triad

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



52.3210, -45.7730, 86.1870



65.1400, 85.0470, 17.0710



75.9530, -63.6800, -24.3520

Complementary

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



52.3210, -45.7730, 86.1870



206.6790, 45.7730, -86.1870

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.



62.2220, -29.1500, -55.4380



52.3210, -45.7730, 86.1870



73.2060, 21.6460, -28.8660

Square

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



52.3210, -45.7730, 86.1870



63.9860, 127.5440, 45.3680



59.8740, -28.0500, -53.3460



89.8150, -97.2010, 4.9670

Rectangle

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



52.3210, -45.7730, 86.1870



80.7960, 108.9690, 79.1530



59.8740, -28.0500, -53.3460



71.2620, -51.8490, -35.0250

Sweetspot

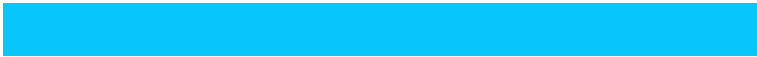
The Sweet Spot groups the original color and five complimentary colors.



52.3210, -45.7730, 86.1870



194.2200, -14.2180, 26.4060



147.4170, -129.3360, -23.8960



91.1200, -8.4850, 16.1150



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.



52.3210, -45.7730, 86.1870



45.8140, -48.4790, 91.1770



88.2010, 25.7470, 111.6270



114.3790, -2.3850, 4.6790



34.1040, -35.6370, 67.6830



10.8410, -11.8330, 21.7270

Inverse Universe

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



102.4910, 83.2880, 109.5600



98.9310, 88.1010, 115.9490



170.7990, -25.7470, -111.6270



117.0270, 4.5380, 5.8660



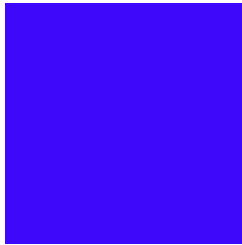
73.2690, 65.4570, 85.7850



23.7110, 20.9480, 27.8600

Previews

White Background



This preview shows how the YIQ color 52.3210, -45.7730, 86.1870 looks on a white background.

Color Contrast Check

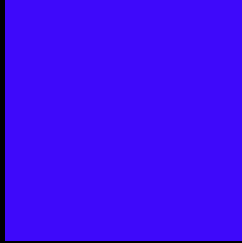
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.3210, -45.7730, 86.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

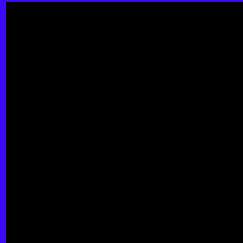
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 52.3210, -45.7730, 86.1870

Background



This preview shows how black text looks on a background with the YIQ color 52.3210, -45.7730, 86.1870.



This preview shows how white text looks on a background with the YIQ color 52.3210, -45.7730,

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

52.3210, -45.7730, 86.1870

Protanopia

64.3680, -73.7730, 9.8990

Deuteranopia

64.4530, -67.1230, -0.4910



Tritanopia

63.5460, -54.9240, -17.8360

Trichromacy



Original Color

52.3210, -45.7730, 86.1870

Protanomaly

60.2180, -63.4620, 37.8020

Deuteranomaly

60.1550, -59.1510, 31.2570

Tritanomaly

59.8980, -51.5380, 19.9340

Monochromacy



Original Color

52.3210, -45.7730, 86.1870

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

52.0120, -16.3280, 31.6080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 52.3210, -45.7730, 86.1870 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(62, 9, 250)` looks like.

```
.text, #text, p{  
    color:rgb(62, 9, 250)  
}
```

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(62, 9, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 9, 250) }
```

Border

The CSS property to change the border of an element to YIQ 52.3210, -45.7730, 86.1870 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(62, 9, 250) }
```


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

```
.border{ border-color:rgb(62, 9, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 9, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 9, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 9, 250);  
box-shadow:4px 4px 4px 4px rgb(62, 9, 250)  
}
```

Background

The CSS property to change the background color of an element to YIQ 52.3210, -45.7730, 86.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 9, 250) }
```

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

```
.background{ background-color: rgb(62, 9,  
250) }
```

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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