

Converting Colors

YIQ(86.7830, -23.1130, 27.9190)

Have a look what the booklet for
YIQ(86.7830, -23.1130, 27.9190)
contains.

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Color

**YIQ(86.7830, -23.1130,
27.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	524BA0
RGB	82, 75, 160
RGB Percent	32%, 29%, 63%
CMY	0.6783, 0.7059, 0.3727
CMYK	0.49, 0.53, 0.00, 0.37
HSL	245°, 36%, 46%
HSV	245°, 53%, 63%
XYZ	12.3388, 9.3631, 34.3962
YIQ	86.7830, -23.1130, 27.9190

Conversions

Conversions Part 2

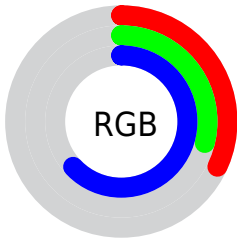
Format	Color
R_{YB}	82, 75, 160
Decimal	5393312
CIE _{Lab}	36.67, 26.13, -45.39
CIE _{LCh}	37, 52.376, 299.924
Yxy	9.3631, 0.2199, 0.1669
Android (android.graphics.Color)	4283583392 (0xFF524BA0)
YUV	86.7830, 36.0960, -4.1947
Hunter-Lab	30.5991, 18.4296, -45.2279

Details

The YIQ color $86.7830, -23.1130, 27.9190$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $148.2170, 23.1130, -27.9190$, and the grayscale version is $86.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $137.9620, -22.0590, 30.8450$, and $37.6850, -28.8890, 22.4630$ is the 20% darker color. If you saturate the color by 10%, you get $72.9060, -27.6530, 33.1070$, and if you desaturate by 10%, it is $100.6600, -18.5730, 22.7310$.

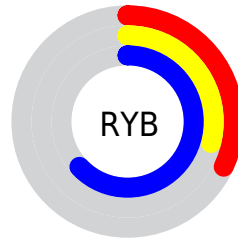
Distribution



Red (32%)

Green (29%)

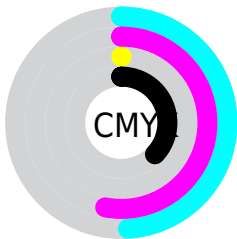
Blue (63%)



Red (32%)

Yellow (29%)

Blue (63%)

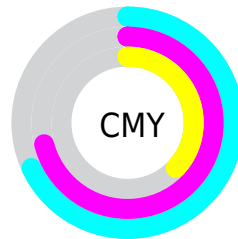


Cyan (49%)

Magenta (53%)

Yellow (0%)

Black (37%)



Cyan (68%)

Magenta (71%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.7830, -23.1130, 27.9190 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 86.7830, -23.1130, 27.9190 by changing the saturation by 10% instead.

■ 86.7830, -23.1130,
27.9190

■ 86.7830, -23.1130,
27.9190

■ 255.0000, -0.0000,
-0.0000

■ 62.1310, -24.2130,
25.8270

■ 137.9620,
-22.0590, 30.8450

■ 37.6850, -28.8890,
22.4630

■ 164.9020,
-21.8300, 32.2020

■ 15.9190, -29.6680,
20.0600

■ 190.3770,
-16.0980, 27.4380

■ 6.7260, -18.9390,
18.3490

■ 214.8970, -6.2390,
19.4650

■ 5.2780, -12.1060,
10.1500

■ 240.3030, 3.9410,
11.1810

■ 1.3680, -3.8520,
3.7320

■ 0.0000, 0.0000,

0.0000

■ 86.7830, -23.1130,
27.9190

■ 86.7830, -23.1130,
27.9190

■ 72.9060, -27.6530,
33.1070

■ 100.6600,
-18.5730, 22.7310

■ 59.3280, -31.5970,
38.5070

■ 114.2380,
-14.6290, 17.3310

■ 45.4510, -36.1370,
43.6950

■ 128.1150,
-10.0890, 12.1430

■ 31.5740, -40.6770,
48.8830

■ 141.9920, -5.5490,
6.9550

■ 22.1270, -43.6120,
52.5160

■ 155.5700, -1.6050,
1.5550

■ 169.4470, 2.9350,
-3.6330

■ 183.3240, 7.4750,
-8.8210

■ 196.9020, 11.4190,
-14.2210

■ 210.7790, 15.9590,
-19.4090

Harmonies

Analogous

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



73.4980, -80.1910, 5.0650



86.7830, -23.1130, 27.9190



86.4810, 25.0720, 41.2320

Triad

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



86.7830, -23.1130, 27.9190



80.7480, 61.9430, -4.7530



71.3250, -56.1600, -28.4800

Complementary

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



86.7830, -23.1130, 27.9190



148.2170, 23.1130, -27.9190

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.



64.5480, -41.2110, -40.5950



86.7830, -23.1130, 27.9190



80.7030, 39.4800, -21.6720

Square

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



86.7830, -23.1130, 27.9190



79.8900, 65.5600, 23.3200



75.1890, 11.1480, -36.8520



76.1130, -69.6420, -15.4180

Rectangle

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



86.7830, -23.1130, 27.9190



81.7410, 47.7670, 42.9270



75.1890, 11.1480, -36.8520



69.0280, -51.0700, -32.6220

Sweetspot

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



86.7830, -23.1130, 27.9190



180.3600, -9.4010, 10.6870



131.0630, -49.0100, -14.8820



87.5790, -5.8240, 6.4320



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



86.7830, -23.1130, 27.9190



93.5650, -36.4580, 44.0060



99.0420, 1.3230, 36.6110



72.2110, -1.9720, 2.7000



19.8900, -38.7510, 47.0170



2.0090, -4.2190, 4.8770

Inverse Universe

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



109.3070, 25.6220, 42.2780



129.0880, 40.3810, 66.6610



135.9580, -1.3230, -36.6110



74.1900, 2.5210, 3.8730



57.6910, 43.1770, 71.0570



6.0810, 4.4460, 7.5340

Previews

White Background



This preview shows how the YIQ color 86.7830, -23.1130, 27.9190 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 86.7830, -23.1130, 27.9190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

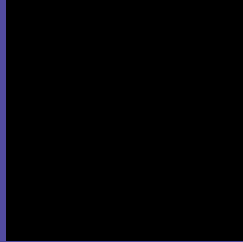
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 86.7830, -23.1130, 27.9190

Background



This preview shows how black text looks on a background with the YIQ color 86.7830, -23.1130, 27.9190.



This preview shows how white text looks on a background with the YIQ color 86.7830, -23.1130,

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

86.7830, -23.1130, 27.9190

Protanopia

78.1530, -56.8100, 16.3580

Deuteranopia

69.3260, -73.9550, 2.1810



Tritanopia

83.7250, -18.3390, -3.5470

Trichromacy



Original Color

86.7830, -23.1130, 27.9190

Protanomaly

81.1330, -44.8900, 20.5980

Deuteranomaly

75.5890, -55.3420, 11.7780

Tritanomaly

84.9180, -19.9000, 8.2280

Monochromacy



Original Color

86.7830, -23.1130, 27.9190

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.1320, -8.7590, 10.0650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.7830, -23.1130, 27.9190 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(82, 75, 160)` looks like.

```
.text, #text, p{  
    color:rgb(82, 75, 160)  
}
```

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(82, 75, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 75, 160) }
```

Border

The CSS property to change the border of an element to YIQ 86.7830, -23.1130, 27.9190 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(82, 75, 160) }
```


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

```
.border{ border-color:rgb(82, 75, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 75, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 75, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 75, 160);  
box-shadow:4px 4px 4px 4px rgb(82, 75,  
160) }
```

Background

The CSS property to change the background color of an element to YIQ 86.7830, -23.1130, 27.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 75, 160) }
```

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

```
.background{ background-color: rgb(82, 75,  
160) }
```

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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