

Converting Colors

YIQ(82.5780, -47.6410, 20.8950)

Have a look what the booklet for
YIQ(82.5780, -47.6410, 20.8950)
contains.

YIQ(82.5780, -47.6410, 20.8950)	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(82.5780, -47.6410,
20.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	3252AB
RGB	50, 82, 171
RGB Percent	20%, 32%, 67%
CMY	0.8039, 0.6784, 0.3297
CMYK	0.71, 0.52, 0.00, 0.33
HSL	224°, 55%, 43%
HSV	224°, 71%, 67%
XYZ	11.6779, 9.6524, 39.7428
YIQ	82.5780, -47.6410, 20.8950

Conversions

Conversions Part 2

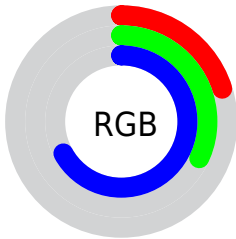
Format	Color
RYB	50, 75, 171
Decimal	3297963
CIELab	37.21, 19.21, -51.19
CIELCh	37, 54.674, 290.569
Yxy	9.6524, 0.1912, 0.1580
Android (android.graphics.Color)	4281488043 (0xFF3252AB)
YUV	82.5780, 43.5920, -28.5709
Hunter-Lab	31.0683, 12.7246, -54.0964




Details

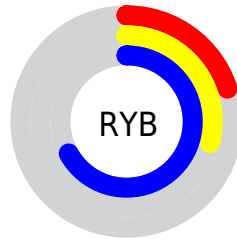
The YIQ color **82.5780, -47.6410, 20.8950** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **138.4220, 47.6410, -20.8950**, and the grayscale version is **82.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **135.9640, -42.7360, 25.6160**, and **35.7580, -48.3280, 16.8240** is the 20% darker color. If you saturate the color by 10%, you get **69.8640, -54.1980, 24.0900**, and if you desaturate by 10%, it is **95.2920, -41.0840, 17.7000**.

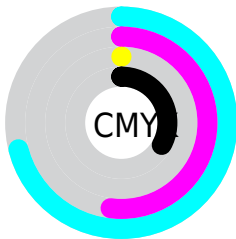
Distribution







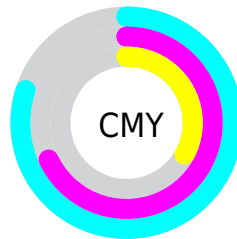
-  Red (20%)
-  Green (32%)
-  Blue (67%)






-  Red (20%)
-  Yellow (29%)
-  Blue (67%)



-  Cyan (71%)
-  Magenta (52%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (80%)
-  Magenta (68%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 82.5780, -47.6410, 20.8950 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 82.5780, -47.6410, 20.8950 by changing the saturation by 10% instead.

■ 82.5780, -47.6410,
20.8950

■ 82.5780, -47.6410,
20.8950

■ 255.0000, -0.0000,
-0.0000

■ 51.0490, -62.4490,
13.9270

■ 135.9640,
-42.7360, 25.6160

■ 35.7580, -48.3280,
16.8240

■ 163.0890,
-41.5900, 26.8740

■ 22.3420, -35.3530,
18.4630

■ 187.6090,
-31.7310, 18.9010

■ 8.9260, -22.3780,
20.1020

■ 212.1290,
-21.8720, 10.9280

■ 6.8910, -15.2700,
12.4260

■ 237.2360,
-12.2880, 2.4320

■ 3.2090, -7.6580,
6.6300

■ 0.0000, 0.0000,

0.0000

■ 82.5780, -47.6410,
20.8950

■ 82.5780, -47.6410,
20.8950

■ 69.8640, -54.1980,
24.0900

■ 95.2920, -41.0840,
17.7000

■ 57.7370, -61.0300,
26.7620

■ 107.4190,
-34.2520, 15.0280

■ 45.9090, -67.2660,
29.6460

■ 120.1330,
-27.6950, 11.8330

■ 132.2600,
-20.8630, 9.1610

■ 144.9740,
-14.3060, 5.9660

■ 157.4000, -6.8780,
3.5060

■ 170.1140, -0.3210,
0.3110

■ 182.8280, 6.2360,
-2.8840

■ 194.9550, 13.0680,
-5.5560

Harmonies

Analogous

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



76.8890, -82.8500, 3.6940



82.5780, -47.6410, 20.8950



89.3100, 12.3720, 40.1160

Triad

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



82.5780, -47.6410, 20.8950



81.9970, 65.9760, 4.7600



70.4300, -52.2620, -33.0460

Complementary

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



82.5780, -47.6410, 20.8950



138.4220, 47.6410, -20.8950

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.



63.3220, -34.8830, -45.1470



82.5780, -47.6410, 20.8950



82.8290, 48.0530, -17.3470

Square

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



82.5780, -47.6410, 20.8950



78.7690, 67.7590, 33.0310



78.5000, 20.6380, -32.6260



76.1470, -66.9820, -19.5740

Rectangle

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



82.5780, -47.6410, 20.8950



84.4290, 40.0180, 45.6980



78.5000, 20.6380, -32.6260



68.0190, -46.8510, -37.4990

Sweetspot

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



82.5780, -47.6410, 20.8950



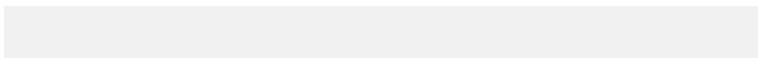
187.9890, -18.6620, 7.8180



131.1730, -61.8440, -35.6040



91.8880, -11.1880, 4.5240



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



82.5780, -47.6410, 20.8950



83.8960, -74.4190, 32.6290



72.1660, -22.1530, 43.5670



80.2000, -3.4390, 1.7530



40.5800, -59.1500, 25.7300



6.1440, -9.0330, 4.0150

Inverse Universe

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



89.8270, 61.8440, 35.6040



95.2110, 96.5940, 55.6180



148.8340, 22.1530, -43.5670



80.9190, 4.7220, 2.5300



49.4100, 76.5600, 44.2400



7.5610, 11.7820, 6.7420

Previews

White Background



This preview shows how the YIQ color 82.5780, -47.6410, 20.8950 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 82.5780, -47.6410, 20.8950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

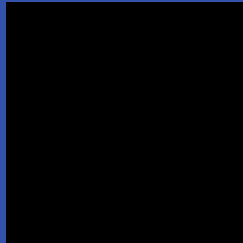
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 82.5780, -47.6410, 20.8950

Background



This preview shows how black text looks on a background with the YIQ color 82.5780, -47.6410, 20.8950.



This preview shows how white text looks on a background with the YIQ color 82.5780, -47.6410,

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

82.5780, -47.6410, 20.8950

Protanopia

77.7010, -61.3490, 16.0190

Deuteranopia

69.9130, -74.2300, 1.6580



Tritanopia

68.7950, -60.0590, -18.3870

Trichromacy



Original Color

82.5780, -47.6410, 20.8950

Protanomaly

79.3920, -55.9850, 17.9270

Deuteranomaly

74.2180, -64.6030, 8.9090

Tritanomaly

73.9780, -55.6600, -4.4920

Monochromacy



Original Color

82.5780, -47.6410, 20.8950

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

83.0600, -17.4240, 7.4080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.5780, -47.6410, 20.8950 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(50, 82, 171)` looks like.

```
.text, #text, p{  
    color:rgb(50, 82, 171)  
}
```

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(50, 82, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 82, 171) }
```

Border

The CSS property to change the border of an element to YIQ 82.5780, -47.6410, 20.8950 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(50, 82, 171) }
```


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

```
.border{ border-color:rgb(50, 82, 171) }
```

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

Here you see how a box with a 4 pixel rgb(50, 82, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 82, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 82, 171);  
box-shadow:4px 4px 4px 4px rgb(50, 82,  
171) }
```

Background

The CSS property to change the background color of an element to YIQ 82.5780, -47.6410, 20.8950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 82, 171) }
```

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

```
.background{ background-color: rgb(50, 82,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor