

Converting Colors

YIQ(76.7710, 100.9490, 59.2930)

Have a look what the booklet for
YIQ(76.7710, 100.9490, 59.2930)
contains.

YIQ(76.7710, 100.9490, 59.2930)	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(76.7710, 100.9490,
59.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	D20B42
RGB	210, 11, 66
RGB Percent	82%, 4%, 26%
CMY	0.1760, 0.9570, 0.7408
CMYK	0.00, 0.95, 0.69, 0.18
HSL	343°, 90%, 43%
HSV	343°, 95%, 82%
XYZ	27.7200, 14.3525, 6.4777
YIQ	76.7710, 100.9490, 59.2930

Conversions

Conversions Part 2

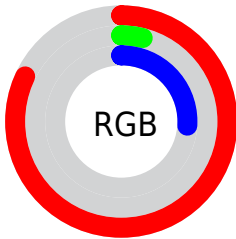
Format	Color
RYB	210, 11, 66
Decimal	13765442
CIELab	44.73, 69.79, 26.64
CIELCh	45, 74.705, 20.890
Yxy	14.3525, 0.5710, 0.2956
Android (android.graphics.Color)	429195522 (0xFFD20B42)
YUV	76.7710, -5.3101, 116.8418
Hunter-Lab	37.8847, 64.3091, 16.3816

Details

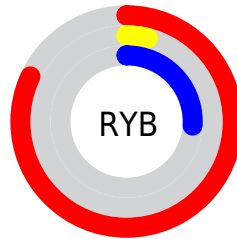
The YIQ color **76.7710, 100.9490, 59.2930** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **144.2290, -100.9490, -59.2930**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.0710, 90.6360, 42.4440**, and **46.6890, 79.9080, 38.6280** is the 20% darker color. If you saturate the color by 10%, you get **69.4020, 106.5420, 62.5580**, and if you desaturate by 10%, it is **90.8080, 90.3590, 52.9750**.

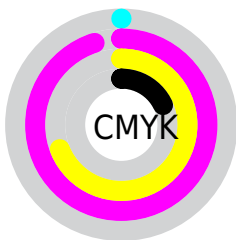
Distribution



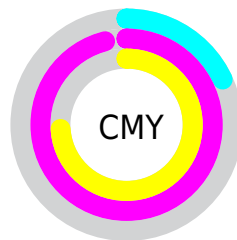
- Red (82%)
- Green (4%)
- Blue (26%)



- Red (82%)
- Yellow (4%)
- Blue (26%)



- Cyan (0%)
- Magenta (95%)
- Yellow (69%)
- Black (18%)





- Cyan (18%)
- Magenta (96%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 76.7710, 100.9490, 59.2930 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 76.7710, 100.9490, 59.2930 by changing the saturation by 10% instead.


 76.7710, 100.9490,
59.2930


 76.7710, 100.9490,
59.2930


255.0000, -0.0000,
-0.0000


 58.2380, 91.9640,
51.4200


 142.0710, 90.6360,
42.4440


 46.6890, 79.9080,
38.6280


 162.5310, 74.3610,
34.5290


 34.6840, 69.1360,
24.5920


 183.1050, 57.7650,
26.9250

 25.6430, 50.0180,
18.6420

 203.2060, 41.1230,
20.1550

 16.6730, 32.1380,
12.2820

 223.4210, 24.1600,
13.6960

 2.9900, 5.9600,
2.1200

 244.3370, 6.6010,

 0.0000, 0.0000,

7.0250

0.0000

■ 76.7710, 100.9490,
59.2930

■ 76.7710, 100.9490,
59.2930

■ 69.4020, 106.5420,
62.5580

■ 90.8080, 90.3590,
52.9750

■ 104.8450, 79.7690,
46.6570

■ 118.9960, 68.8580,
40.6500

■ 133.0330, 58.2680,
34.3320

■ 147.0700, 47.6780,
28.0140

■ 161.1070, 37.0880,
21.6960

■ 175.1440, 26.4980,
15.3780

■ 189.2950, 15.5870,
9.3710

■ 203.3320, 4.9970,
3.0530

Harmonies

Analogous

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



75.5880, 80.4960, 83.0560



76.7710, 100.9490, 59.2930



94.0680, 93.5770, 5.6490

Triad

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



76.7710, 100.9490, 59.2930



74.6460, -36.5760, -64.0320



96.7740, -107.1510, 9.0810

Complementary

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



76.7710, 100.9490, 59.2930



144.2290, -100.9490, -59.2930

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.



98.8650, -100.6380, -4.3340



76.7710, 100.9490, 59.2930



85.8860, -62.7140, -41.8660

Square

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



76.7710, 100.9490, 59.2930



94.4040, 20.5480, -42.0120



94.4700, -84.1290, -22.6970



90.5370, -83.9540, 23.7100

Rectangle

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



76.7710, 100.9490, 59.2930



99.7950, 71.7560, -11.8920



94.4700, -84.1290, -22.6970



98.4380, -106.3250, 5.1230

Sweetspot

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



76.7710, 100.9490, 59.2930



207.3950, 36.2170, 20.9610



76.4430, 21.3490, 92.2050



98.5240, 22.3720, 13.0600



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.



76.7710, 100.9490, 59.2930



84.3390, 129.1890, 76.1410



95.7420, 106.7790, 19.6990



97.6310, 5.5930, 3.2650



55.5900, 85.0410, 50.2330



13.5130, 20.9050, 12.1130

Inverse Universe

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



76.7710, 100.9490, 59.2930



84.3390, 129.1890, 76.1410



125.2580, -106.7790, -19.6990



97.6310, 5.5930, 3.2650



55.5900, 85.0410, 50.2330



13.5130, 20.9050, 12.1130

Previews

White Background



This preview shows how the YIQ color 76.7710, 100.9490, 59.2930 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 × Fail

Black Background



This preview shows how the YIQ color 76.7710, 100.9490, 59.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 76.7710, 100.9490, 59.2930

Background



This preview shows how black text looks on a background with the YIQ color 76.7710, 100.9490, 59.2930.



This preview shows how white text looks on a background with the YIQ color 76.7710, 100.9490,

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

76.7710, 100.9490, 59.2930

Protanopia

107.3550, 6.1900, -2.0500

Deuteranopia

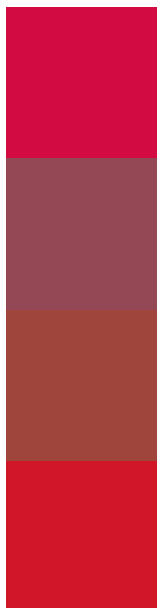
105.7260, 32.6460, -7.9460



Tritanopia

81.6630, 109.1600, 37.1280

Trichromacy



Original Color

76.7710, 100.9490, 59.2930

Protanomaly

96.3200, 40.8020, 20.4660

Deuteranomaly

95.1830, 57.1250, 16.4930

Tritanomaly

79.8510, 105.9950, 44.9310

Monochromacy



Original Color

76.7710, 100.9490, 59.2930

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

76.8080, 36.4920, 21.4840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.7710, 100.9490, 59.2930 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(210, 11, 66)` looks like.

```
.text, #text, p{  
    color:rgb(210, 11, 66)  
}
```

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(210, 11, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 11, 66) }
```

Border

The CSS property to change the border of an element to YIQ 76.7710, 100.9490, 59.2930 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(210, 11, 66) }
```


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

```
.border{ border-color:rgb(210, 11, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 11, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 11, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 11, 66);  
box-shadow:4px 4px 4px 4px rgb(210, 11,  
66) }
```

Background

The CSS property to change the background color of an element to YIQ 76.7710, 100.9490, 59.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 11, 66) }
```

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

```
.background{ background-color: rgb(210, 11,  
66) }
```

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