

Converting Colors

YIQ(77.8830, -73.5450, 16.7830)

Have a look what the booklet for
YIQ(77.8830, -73.5450, 16.7830)
contains.

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Color

**YIQ(77.8830, -73.5450,
16.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	1257BC
RGB	18, 87, 188
RGB Percent	7%, 34%, 74%
CMY	0.9294, 0.6587, 0.2631
CMYK	0.90, 0.54, 0.00, 0.26
HSL	216°, 83%, 40%
HSV	216°, 90%, 74%
XYZ	12.7265, 10.5763, 48.8943
YIQ	77.8830, -73.5450, 16.7830

Conversions

Conversions Part 2

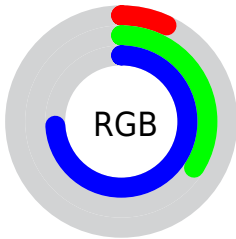
Format	Color
R_{YB}	18, 67, 188
Decimal	1202108
CIE _{Lab}	38.86, 19.34, -58.57
CIE _{LCh}	39, 61.683, 288.274
Yxy	10.5763, 0.1763, 0.1465
Android (android.graphics.Color)	4279392188 (0xFF1257BC)
YUV	77.8830, 54.2877, -52.5174
Hunter-Lab	32.5212, 12.9402, -66.3754

Details

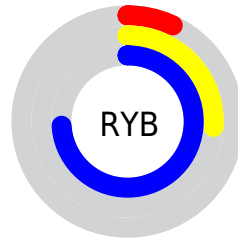
The YIQ color **77.8830, -73.5450, 16.7830** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **128.1170, 73.5450, -16.7830**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.3630, -57.0410, 26.0550**, and **40.5170, -54.8390, 19.1850** is the 20% darker color. If you saturate the color by 10%, you get **66.0440, -81.2480, 18.7200**, and if you desaturate by 10%, it is **90.0210, -65.2460, 15.0580**.

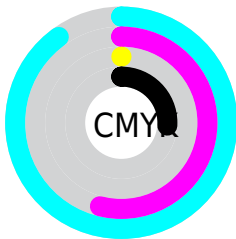
Distribution



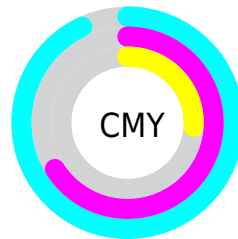
- Red (7%)
- Green (34%)
- Blue (74%)



- Red (7%)
- Yellow (26%)
- Blue (74%)



- Cyan (90%)
- Magenta (54%)
- Yellow (0%)
- Black (26%)



- Cyan (93%)
- Magenta (66%)
- Yellow (26%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.8830, -73.5450, 16.7830 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 77.8830, -73.5450, 16.7830 by changing the saturation by 10% instead.

■ 77.8830, -73.5450,
16.7830

■ 77.8830, -73.5450,
16.7830

■ 255.0000, -0.0000,
-0.0000

■ 55.8080, -68.9600,
16.2880

■ 137.3630,
-57.0410, 26.0550

■ 40.5170, -54.8390,
19.1850

■ 163.0340,
-48.9250, 22.1390

■ 26.9870, -41.5430,
20.5130

■ 187.8530,
-38.4700, 14.3780

■ 9.4620, -26.6430,
25.8130

■ 213.2590,
-28.2900, 6.0940

■ 10.2480, -20.5890,
15.2110

■ 238.6650,
-18.1100, -2.1900

■ 5.2780, -12.1060,
10.1500

■ 253.5050, -2.9800,

■ 1.3680, -3.8520,

-1.0600

3.7320

■ 0.0000, 0.0000,
0.0000

■ 77.8830, -73.5450,
16.7830

■ 77.8830, -73.5450,
16.7830

■ 66.0440, -81.2480,
18.7200

■ 90.0210, -65.2460,
15.0580

■ 102.1590,
-56.9470, 13.3330

■ 113.9980,
-49.2440, 11.3960

■ 126.7230,
-41.2200, 9.1480

■ 138.8610,
-32.9210, 7.4230

■ 150.9990,
-24.6220, 5.6980

■ 163.1370,
-16.3230, 3.9730

■ 174.9760, -8.6200,
2.0360

■ 187.1140, -0.3210,
0.3110

Harmonies

Analogous

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



82.2350, -89.6360, 5.5320



77.8830, -73.5450, 16.7830



92.8030, 9.6660, 45.1060

Triad

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



77.8830, -73.5450, 16.7830



83.0800, 76.1080, 8.3640



73.6100, -52.9490, -37.1170

Complementary

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



77.8830, -73.5450, 16.7830



128.1170, 73.5450, -16.7830

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.



64.0630, -32.9560, -52.5400



77.8830, -73.5450, 16.7830



86.4060, 53.7380, -15.7500

Square

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



77.8830, -73.5450, 16.7830



76.6550, 77.2480, 42.7840



82.3430, 22.5180, -33.6580



80.2390, -70.2370, -21.1570

Rectangle

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



77.8830, -73.5450, 16.7830



86.1400, 42.6300, 53.4300



82.3430, 22.5180, -33.6580



71.0850, -47.2170, -41.8810

Sweetspot

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



77.8830, -73.5450, 16.7830



202.3730, -28.6110, 6.4050



129.0760, -78.5290, -58.1210



96.8380, -16.9190, 3.7610



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



77.8830, -73.5450, 16.7830



86.0430, -105.8700, 24.4180



41.5660, -46.2260, 55.8380



88.3740, -3.9890, 0.7070



55.5800, -68.3180, 15.6660



10.5780, -13.2510, 3.3650

Inverse Universe

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



76.6960, 79.1710, 57.4990



84.5410, 114.2410, 82.7290



164.4340, 46.2260, -55.8380



88.1470, 4.0800, 3.1520



54.5380, 73.6240, 53.4000



10.6370, 14.6240, 10.3040

Previews

White Background



This preview shows how the YIQ color 77.8830, -73.5450, 16.7830 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 77.8830, -73.5450, 16.7830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

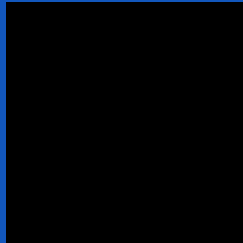
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.8830, -73.5450, 16.7830

Background



This preview shows how black text looks on a background with the YIQ color 77.8830, -73.5450, 16.7830.



This preview shows how white text looks on a background with the YIQ color 77.8830, -73.5450,

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

77.8830, -73.5450, 16.7830

Protanopia

72.9740, -84.2270, 12.1330

Deuteranopia

72.9450, -77.2560, 1.4320



Tritanopia

71.5990, -62.4430, -19.2350

Trichromacy



Original Color

77.8830, -73.5450, 16.7830

Protanomaly

75.0670, -80.0550, 13.6170

Deuteranomaly

75.0040, -75.7440, 7.0720

Tritanomaly

74.0630, -66.2050, -6.1170

Monochromacy



Original Color

77.8830, -73.5450, 16.7830

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.7430, -26.7770, 6.2070

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.8830, -73.5450, 16.7830 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(18, 87, 188)` looks like.

```
.text, #text, p{  
    color:rgb(18, 87, 188)  
}
```

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(18, 87, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 87, 188) }
```

Border

The CSS property to change the border of an element to YIQ 77.8830, -73.5450, 16.7830 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(18, 87, 188) }
```


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

```
.border{ border-color:rgb(18, 87, 188) }
```

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

Here you see how a box with a 4 pixel rgb(18, 87, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 87, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 87, 188);  
box-shadow:4px 4px 4px 4px rgb(18, 87,  
188) }
```

Background

The CSS property to change the background color of an element to YIQ 77.8830, -73.5450, 16.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 87, 188) }
```

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

```
.background{ background-color: rgb(18, 87,  
188) }
```

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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