

Converting Colors

YIQ(83.4210, -98.4870, 17.2650)

Have a look what the booklet for
YIQ(83.4210, -98.4870, 17.2650)
contains.

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Color

**YIQ(83.4210, -98.4870,
17.2650)**

Conversions

Conversions Part 1

Format	Color
Hex	0063DE
RGB	0, 99, 222
RGB Percent	0%, 39%, 87%
CMY	0.9998, 0.6116, 0.1299
CMYK	1.00, 0.55, 0.00, 0.13
HSL	213°, 100%, 44%
HSV	213°, 100%, 87%
XYZ	17.6340, 14.1989, 70.8314
YIQ	83.4210, -98.4870, 17.2650

Conversions

Conversions Part 2

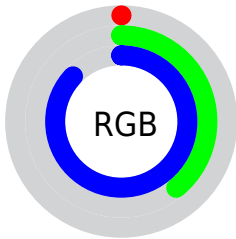
Format	Color
RYB	0, 68, 222
Decimal	25566
CIELab	44.52, 24.32, -68.96
CIELCh	45, 73.120, 289.430
Yxy	14.1989, 0.1718, 0.1383
Android (android.graphics.Color)	4278215646 (0xFF0063DE)
YUV	83.4210, 68.3194, -73.1602
Hunter-Lab	37.6814, 17.5912, -85.0729

Details

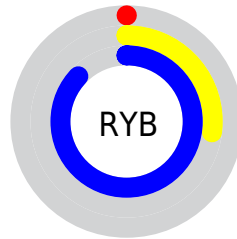
The YIQ color **83.4210, -98.4870, 17.2650** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **138.5790, 98.4870, -17.2650**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **147.6290, -60.8460, 23.4260**, and **50.6220, -68.1360, 23.3840** is the 20% darker color. If you saturate the color by 10%, you get **83.4210, -98.4870, 17.2650**, and if you desaturate by 10%, it is **97.0430, -88.6750, 15.6530**.

Distribution



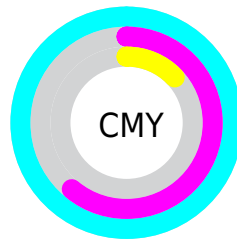
- Red (0%)
- Green (39%)
- Blue (87%)



- Red (0%)
- Yellow (27%)
- Blue (87%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (61%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.4210, -98.4870, 17.2650 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 83.4210, -98.4870, 17.2650 by changing the saturation by 10% instead.

■ 83.4210, -98.4870,
17.2650

■ 83.4210, -98.4870,
17.2650

■ 255.0000, -0.0000,
-0.0000

■ 66.6140, -82.8530,
20.2750

■ 147.6290,
-60.8460, 23.4260

■ 50.6220, -68.1360,
23.3840

■ 172.7580,
-48.3280, 16.8240

■ 36.3910, -54.2440,
24.9240

■ 198.7620,
-36.9560, 8.9640

■ 22.1600, -40.3520,
26.4640

■ 224.4670,
-26.1800, 0.8920

■ 16.9620, -31.2270,
20.7810

■ 247.8240,
-14.3040, -5.0880

■ 10.7040, -21.8730,
16.4550

■ 6.3210, -13.6650,

10.8710

■ 2.5250, -5.7320,
4.7640

■ 0.0000, 0.0000,
0.0000

■ 83.4210, -98.4870,
17.2650

■ 97.0430, -88.6750,
15.6530

■ 111.2520,
-79.1380, 13.5180

■ 125.1730,
-68.7300, 12.1180

■ 138.7950,
-58.9180, 10.5060

■ 152.4170,
-49.1060, 8.8940

■ 166.6260,
-39.5690, 6.7590

■ 180.2480,
-29.7570, 5.1470

■ 194.1690,
-19.3490, 3.7470

■ 208.3780, -9.8120,
1.6120

Harmonies

Analogous

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



95.7310, -105.5920, 8.3600



83.4210, -98.4870, 17.2650



105.4050, 14.2030, 56.4990

Triad

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



83.4210, -98.4870, 17.2650



93.5950, 93.5310, 6.4830



84.9570, -61.4760, -42.2760

Complementary

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



83.4210, -98.4870, 17.2650



138.5790, 98.4870, -17.2650

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.



73.7170, -35.3380, -64.4420



83.4210, -98.4870, 17.2650



99.4190, 60.8910, -18.7330

Square

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



83.4210, -98.4870, 17.2650



78.8630, 97.6940, 57.7100



94.1270, 22.8860, -40.3300



93.3130, -82.2490, -23.7290

Rectangle

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



83.4210, -98.4870, 17.2650



93.7540, 56.0610, 68.8370



94.1270, 22.8860, -40.3300



81.8620, -54.1390, -48.5950

Sweetspot

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



83.4210, -98.4870, 17.2650



207.6220, -33.7460, 5.8540



144.2220, -100.2120, -78.1640



98.9840, -20.2660, 3.8460



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.



83.4210, -98.4870, 17.2650



95.9880, -113.2050, 19.6830



28.5970, -64.7060, 71.3740



105.1890, -4.9060, 0.8060



66.4370, -78.2210, 13.4190



18.3860, -21.4580, 3.4220

Inverse Universe

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



77.6640, 100.5330, 77.8530



89.2410, 115.3860, 89.5140



193.4030, 64.7060, -71.3740



104.8590, 4.9510, 3.8870



61.6300, 79.5370, 61.8810



16.8600, 21.5460, 17.0180

Previews

White Background



This preview shows how the YIQ color 83.4210, -98.4870, 17.2650 looks on a white background.

Color Contrast Check

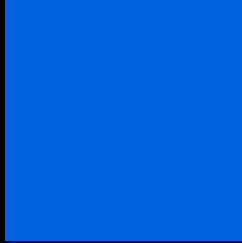
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.4210, -98.4870, 17.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

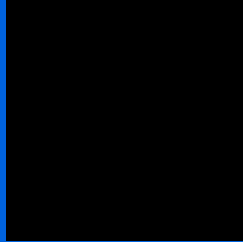
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.4210, -98.4870, 17.2650

Background



This preview shows how black text looks on a background with the YIQ color 83.4210, -98.4870, 17.2650.



This preview shows how white text looks on a background with the YIQ color 83.4210, -98.4870,

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

83.4210, -98.4870, 17.2650

Protanopia

83.7970, -96.7900, 14.0420

Deuteranopia

84.4860, -89.0850, 1.0510



Tritanopia

82.8150, -71.9790, -22.6270

Trichromacy



Original Color

83.4210, -98.4870, 17.2650

Protanomaly

83.5520, -97.4780, 15.4980

Deuteranomaly

84.2070, -92.4330, 6.6630

Tritanomaly

82.8100, -81.6100, -7.7700

Monochromacy



Original Color

83.4210, -98.4870, 17.2650

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

83.3660, -35.9010, 6.3630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.4210, -98.4870, 17.2650 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(0, 99, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 222)  
}
```

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(0, 99, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 222) }
```

Border

The CSS property to change the border of an element to YIQ 83.4210, -98.4870, 17.2650 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(0, 99, 222) }
```


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

```
.border{ border-color:rgb(0, 99, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 222)  
}
```

Background

The CSS property to change the background color of an element to YIQ 83.4210, -98.4870, 17.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 222) }
```

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

```
.background{ background-color: rgb(0, 99,  
222) }
```

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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