

# Converting Colors

YIQ(99.8450, -79.5500, 9.9700)

Have a look what the booklet for  
YIQ(99.8450, -79.5500, 9.9700)  
contains.

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# Color

**YIQ(99.8450, -79.5500,  
9.9700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E73CD
RGB	30, 115, 205
RGB Percent	12%, 45%, 80%
CMY	0.8824, 0.5489, 0.1965
CMYK	0.85, 0.44, 0.00, 0.20
HSL	211°, 74%, 46%
HSV	211°, 85%, 80%
XYZ	17.6768, 16.9482, 60.0351
YIQ	99.8450, -79.5500, 9.9700

# Conversions

## Conversions Part 2

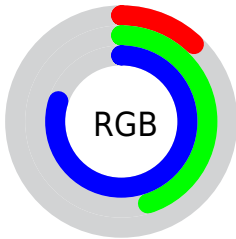
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 87, 205
Decimal	1995725
CIE <sub>Lab</sub>	48.19, 8.70, -53.32
CIE <sub>LCh</sub>	48, 54.025, 279.269
Yxy	16.9482, 0.1867, 0.1790
Android (android.graphics.Color)	4280185805 (0xFF1E73CD)
YUV	99.8450, 51.8414, -61.2541
Hunter-Lab	41.1681, 4.5999, -57.6443

# Details

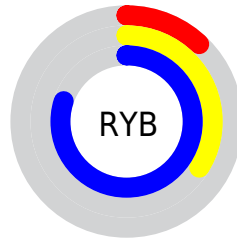
The YIQ color **99.8450, -79.5500, 9.9700** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **135.1550, 79.5500, -9.9700**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **158.5050, -63.7330, 15.1710**, and **57.0160, -66.8500, 11.0860** is the 20% darker color. If you saturate the color by 10%, you get **87.6960, -89.3160, 10.7480**, and if you desaturate by 10%, it is **112.2820, -70.6550, 8.4570**.

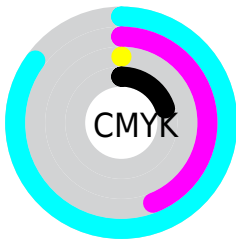
# Distribution



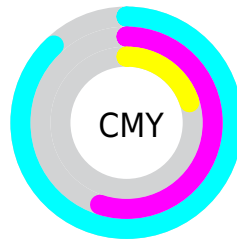
- Red (12%)
- Green (45%)
- Blue (80%)



- Red (12%)
- Yellow (34%)
- Blue (80%)



- Cyan (85%)
- Magenta (44%)
- Yellow (0%)
- Black (20%)



- Cyan (88%)
- Magenta (55%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.8450, -79.5500, 9.9700 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 99.8450, -79.5500, 9.9700 by changing the saturation by 10% instead.



■ 99.8450, -79.5500,  
9.9700

■ 99.8450, -79.5500,  
9.9700

■ 255.0000, -0.0000,  
-0.0000

■ 73.5950, -81.8420,  
7.4540

■ 158.5050,  
-63.7330, 15.1710

■ 57.0160, -66.8500,  
11.0860

■ 183.6230,  
-52.6820, 7.6220

■ 41.7250, -52.7290,  
13.9830

■ 209.0290,  
-42.5020, -0.6620

■ 27.0210, -38.8830,  
16.3570

■ 235.0220,  
-32.5970, -9.4690

■ 13.1320, -25.9540,  
18.8300

■ 247.2260,  
-15.4960, -5.5120

■ 8.0480, -17.1500,  
13.4580

■ 4.3660, -9.5380,

7.6620

■ 0.0000, 0.0000,  
0.0000

■ 99.8450, -79.5500,  
9.9700

■ 99.8450, -79.5500,  
9.9700

■ 87.6960, -89.3160,  
10.7480

■ 112.2820,  
-70.6550, 8.4570

■ 82.0700, -93.3050,  
11.4550

■ 124.4310,  
-60.8890, 7.6790

■ 136.8680,  
-51.9940, 6.1660

■ 149.0170,  
-42.2280, 5.3880

■ 161.4540,  
-33.3330, 3.8750

■ 173.6030,  
-23.5670, 3.0970

■ 186.0400,  
-14.6720, 1.5840

■ 198.1890, -4.9060,  
0.8060

■ 210.6260, 3.9890,  
-0.7070

# Harmonies

## Analogous

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



97.9360, -99.4000, -4.7440



99.8450, -79.5500, 9.9700



117.6220, -6.2420, 36.0460

# Triad

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



99.8450, -79.5500, 9.9700



110.4850, 70.8340, 15.8420



87.7780, -62.5300, -45.2020

# Complementary

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



99.8450, -79.5500, 9.9700



135.1550, 79.5500, -9.9700

# 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.



101.4800, -2.9730, -39.7490



99.8450, -79.5500, 9.9700



109.5320, 62.3110, -11.4250

# Square

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



99.8450, -79.5500, 9.9700



110.7350, 65.0990, 37.1870



105.9830, 41.0870, -34.2810



94.4240, -78.4880, -31.3200



# Rectangle

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



99.8450, -79.5500, 9.9700



116.8340, 25.5760, 43.1120



105.9830, 41.0870, -34.2810



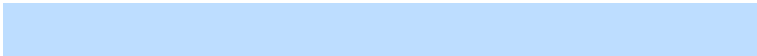
86.3890, -54.1850, -47.7610

# Sweetspot

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



99.8450, -79.5500, 9.9700



215.3080, -29.9860, 3.7900



142.6430, -76.0520, -64.4680



103.7130, -18.0650, 2.5030



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.



99.8450, -79.5500, 9.9700



101.8580, -115.9550, 14.4530



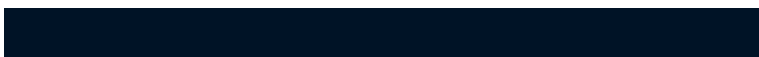
49.9500, -56.1750, 54.4250



96.0750, -4.5850, 0.4950



66.4710, -75.5610, 9.2630



15.4850, -17.4230, 1.8810



# Inverse Universe

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



92.0150, 77.0150, 63.5350



90.3810, 112.1760, 92.6240



185.0500, 56.1750, -54.4250



95.5600, 4.3550, 3.6750



58.8680, 72.9350, 60.3830

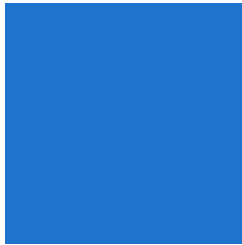


13.5280, 16.5490, 13.9650



# Previews

## White Background



This preview shows how the YIQ color 99.8450, -79.5500, 9.9700 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 99.8450, -79.5500, 9.9700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

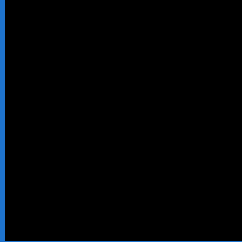
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 99.8450, -79.5500, 9.9700**

## **Background**



This preview shows how black text looks on a background with the YIQ color 99.8450, -79.5500, 9.9700.



This preview shows how white text looks on a background with the YIQ color 99.8450, -79.5500,



# 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

99.8450, -79.5500, 9.9700

### Protanopia

109.5990, -52.1340, 19.7220

### Deuteranopia

96.2460, -88.1690, 6.4790



## Tritanopia

89.3520, -77.9850, -23.9130

# Trichromacy



## Original Color

99.8450, -79.5500, 9.9700

## Protanomaly

105.8150, -61.6700, 16.3300

## Deuteranomaly

97.7410, -85.1890, 7.5390

## Tritanomaly

93.1430, -78.3540, -11.7140

# Monochromacy



## Original Color

99.8450, -79.5500, 9.9700

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

99.7920, -28.4730, 3.9030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.8450, -79.5500, 9.9700 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(30, 115, 205)` looks like.

```
.text, #text, p{  
    color:rgb(30, 115, 205)  
}
```

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(30, 115, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 115, 205) }
```

## Border

The CSS property to change the border of an element to YIQ 99.8450, -79.5500, 9.9700 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(30, 115, 205) }
```



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

```
.border{ border-color:rgb(30, 115, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 115, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 115, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 115, 205);  
box-shadow:4px 4px 4px 4px rgb(30, 115,  
205) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.8450, -79.5500, 9.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 115, 205) }
```

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

```
.background{ background-color: rgb(30, 115,  
205) }
```

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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