

# Converting Colors

YIQ(101.6900, -89.1790,  
13.7730)

Have a look what the booklet for  
YIQ(101.6900, -89.1790, 13.7730)  
contains.

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# Color

**YIQ(101.6900, -89.1790,  
13.7730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1975E0
RGB	25, 117, 224
RGB Percent	10%, 46%, 88%
CMY	0.9020, 0.5410, 0.1220
CMYK	0.89, 0.48, 0.00, 0.12
HSL	212°, 80%, 49%
HSV	212°, 89%, 88%
XYZ	20.2052, 18.3136, 72.9118
YIQ	101.6900, -89.1790, 13.7730

# Conversions

## Conversions Part 2

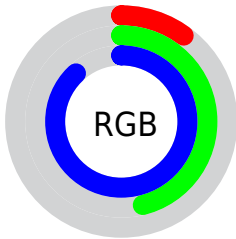
<b>Format</b>	<b>Color</b>
<b>RYB</b>	25, 88, 224
Decimal	1668576
CIELab	49.87, 14.47, -61.40
CIELCh	50, 63.080, 283.259
Yxy	18.3136, 0.1813, 0.1643
Android (android.graphics.Color)	4279858656 (0xFF1975E0)
YUV	101.6900, 60.2988, -67.2571
Hunter-Lab	42.7944, 9.3879, -71.0604

# Details

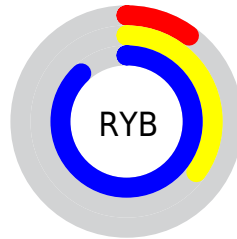
The YIQ color **101.6900, -89.1790, 13.7730** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **147.3100, 89.1790, -13.7730**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **160.5760, -62.4950, 14.7610**, and **60.2420, -73.1780, 15.6380** is the 20% darker color. If you saturate the color by 10%, you get **88.0680, -98.9910, 15.3850**, and if you desaturate by 10%, it is **115.3120, -79.3670, 12.1610**.

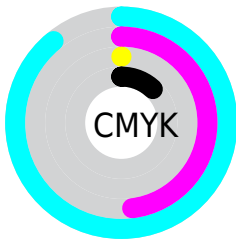
# Distribution



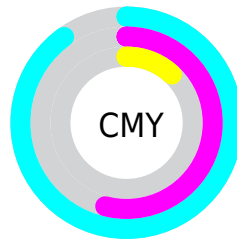
- Red (10%)
- Green (46%)
- Blue (88%)



- Red (10%)
- Yellow (35%)
- Blue (88%)



- Cyan (89%)
- Magenta (48%)
- Yellow (0%)
- Black (12%)



- Cyan (90%)
- Magenta (54%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.6900, -89.1790, 13.7730 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 101.6900, -89.1790, 13.7730 by changing the saturation by 10% instead.



■ 101.6900,  
-89.1790, 13.7730

■ 101.6900,  
-89.1790, 13.7730

■ 255.0000, -0.0000,  
-0.0000

■ 76.8210, -88.1700,  
12.0060

■ 160.5760,  
-62.4950, 14.7610

■ 60.2420, -73.1780,  
15.6380

■ 185.9930,  
-50.8480, 7.4240

■ 44.8370, -58.7360,  
18.2240

■ 211.6980,  
-40.0720, -0.6480

■ 30.7200, -45.1650,  
20.0750

■ 237.9900,  
-29.5710, -9.2430

■ 11.3200, -29.1190,  
26.6330

■ 249.0200,  
-11.9200, -4.2400

■ 11.5190, -22.7900,  
16.5540

■ 6.5490, -14.3070,

11.4930

■ 2.8670, -6.6950,  
5.6970

■ 0.0000, 0.0000,  
0.0000

■ 101.6900,  
-89.1790, 13.7730

■ 101.6900,  
-89.1790, 13.7730

■ 88.0680, -98.9910,  
15.3850

■ 115.3120,  
-79.3670, 12.1610

■ 86.5840,  
-100.5040, 15.2720

■ 129.2330,  
-68.9590, 10.7610

■ 142.8550,  
-59.1470, 9.1490

■ 156.7760,  
-48.7390, 7.7490

■ 170.3980,  
-38.9270, 6.1370

■ 184.0200,  
-29.1150, 4.5250

■ 197.9410,  
-18.7070, 3.1250

■ 211.5630, -8.8950,  
1.5130

■ 225.1850, 0.9170,  
-0.0990

# Harmonies

## Analogous

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



103.3790, -107.8370, -0.5170



101.6900, -89.1790, 13.7730



121.8990, 0.5880, 44.4280

# Triad

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



101.6900, -89.1790, 13.7730



112.1180, 82.1130, 15.1770



92.5710, -66.3810, -46.9970

# Complementary

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



101.6900, -89.1790, 13.7730



147.3100, 89.1790, -13.7730

# 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.



99.7080, -12.7830, -49.1910



101.6900, -89.1790, 13.7730



111.5680, 70.6570, -19.5110

# Square

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



101.6900, -89.1790, 13.7730



109.9650, 79.3110, 43.9430



108.9670, 38.0160, -39.2000



100.1290, -84.9070, -30.6270



# Rectangle

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



101.6900, -89.1790, 13.7730



119.0900, 36.8990, 52.6670



108.9670, 38.0160, -39.2000



89.2310, -59.7320, -51.8600

# Sweetspot

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



101.6900, -89.1790, 13.7730



212.6500, -30.9490, 4.7230



153.8970, -88.7510, -71.1110



102.8270, -18.3860, 2.8140



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.



101.6900, -89.1790, 13.7730



98.3360, -114.3050, 17.5910



49.7790, -59.7070, 63.3730



105.1890, -4.9060, 0.8060



67.6110, -78.7710, 12.3730



18.3860, -21.4580, 3.4220



# Inverse Universe

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



94.9890, 89.0720, 70.8000



89.6970, 114.1020, 90.7580



199.2210, 59.7070, -63.3730



104.8590, 4.9510, 3.8870



61.8580, 78.8950, 62.5030



16.8600, 21.5460, 17.0180



# Previews

## White Background



This preview shows how the YIQ color 101.6900, -89.1790, 13.7730 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 101.6900, -89.1790, 13.7730 looks on a black 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

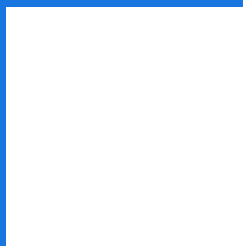
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 101.6900, -89.1790, 13.7730

## Background



This preview shows how black text looks on a background with the YIQ color 101.6900, -89.1790, 13.7730.



This preview shows how white text looks on a background with the YIQ color 101.6900, -89.1790, 13.7730.



# 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

101.6900, -89.1790, 13.7730

### Protanopia

110.3510, -65.9350, 22.0410

### Deuteranopia

94.4940, -100.7310, 2.8610



## Tritanopia

92.8570, -80.9650, -24.9730

# Trichromacy



## Original Color

101.6900, -89.1790, 13.7730

## Protanomaly

107.1650, -74.2790, 19.0730

## Deuteranomaly

97.1680, -96.6970, 6.8470

## Tritanomaly

96.1470, -84.1770, -10.8090

# Monochromacy



## Original Color

101.6900, -89.1790, 13.7730

## Achromatopsia

102.0000, -0.0000, -0.0000

## Achromatomaly

101.5790, -32.1870, 5.1330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.6900, -89.1790, 13.7730 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(25, 117, 224)` looks like.

```
.text, #text, p{  
    color:rgb(25, 117, 224)  
}
```

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(25, 117, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 117, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 101.6900, -89.1790, 13.7730 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(25, 117, 224) }
```



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

```
.border{ border-color:rgb(25, 117, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 117, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 117, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 117, 224);  
box-shadow:4px 4px 4px 4px rgb(25, 117,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.6900, -89.1790, 13.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 117, 224) }
```

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

```
.background{ background-color: rgb(25, 117,  
224) }
```

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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