

Converting Colors

YIQ(97.0170, -102.9810,
21.6190)

Have a look what the booklet for
YIQ(97.0170, -102.9810, 21.6190)
contains.

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Color

**YIQ(97.0170, -102.9810,
21.6190)**

Conversions

Conversions Part 1

Format	Color
Hex	0C6FF8
RGB	12, 111, 248
RGB Percent	5%, 44%, 97%
CMY	0.9528, 0.5645, 0.0280
CMYK	0.95, 0.55, 0.00, 0.03
HSL	215°, 94%, 51%
HSV	215°, 95%, 97%
XYZ	22.7630, 18.2251, 91.0182
YIQ	97.0170, -102.9810, 21.6190

Conversions

Conversions Part 2

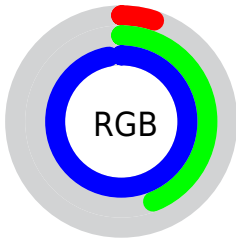
Format	Color
R_{YB}	12, 82, 248
Decimal	815096
CIE _{Lab}	49.77, 27.02, -75.01
CIE _{LCh}	50, 79.728, 289.811
Yxy	18.2251, 0.1724, 0.1381
Android (android.graphics.Color)	4279005176 (0xFF0C6FF8)
YUV	97.0170, 74.4346, -74.5599
Hunter-Lab	42.6909, 20.4682, -96.5245

Details

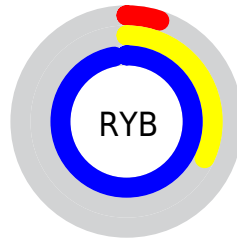
The YIQ color **97.0170, -102.9810, 21.6190** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **162.9830, 102.9810, -21.6190**, and the grayscale version is **96.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **157.9510, -59.0570, 18.5350**, and **59.8150, -78.8650, 25.0950** is the 20% darker color. If you saturate the color by 10%, you get **89.3200, -108.2080, 22.7360**, and if you desaturate by 10%, it is **112.7100, -91.9310, 19.5970**.

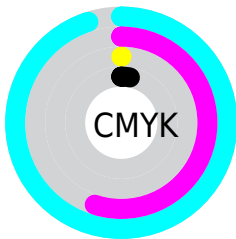
Distribution



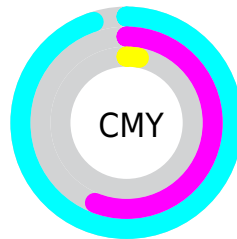
- Red (5%)
- Green (44%)
- Blue (97%)



- Red (5%)
- Yellow (32%)
- Blue (97%)



- Cyan (95%)
- Magenta (55%)
- Yellow (0%)
- Black (3%)



- Cyan (95%)
- Magenta (56%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 97.0170, -102.9810, 21.6190 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 97.0170, -102.9810, 21.6190 by changing the saturation by 10% instead.

■ 97.0170,
-102.9810, 21.6190

■ 97.0170,
-102.9810, 21.6190

■ 255.0000, -0.0000,
-0.0000

■ 76.0350, -94.2240,
22.6080

■ 157.9510,
-59.0570, 18.5350

■ 59.8150, -78.8650,
25.0950

■ 183.9660,
-46.2180, 11.6220

■ 44.4100, -64.4230,
27.6810

■ 209.3830,
-34.5710, 4.2850

■ 31.2390, -50.7600,
27.8640

■ 235.9740,
-23.4740, -4.0980

■ 12.4260, -34.9890,
33.8990

■ 251.4120, -7.1520,
-2.5440

■ 16.0330, -29.9890,
20.3710

■ 10.3620, -20.9100,

15.5220

■ 5.3920, -12.4270,
10.4610

■ 2.0690, -4.4480,
3.5200

■ 97.0170,
-102.9810, 21.6190

■ 97.0170,
-102.9810, 21.6190

■ 89.3200,
-108.2080, 22.7360

■ 112.7100,
-91.9310, 19.5970

■ 128.9900,
-81.1560, 17.0520

■ 144.3840,
-70.7020, 14.8180

■ 160.6640,
-59.9270, 12.2730

■ 176.3570,
-48.8770, 10.2510

■ 192.0500,
-37.8270, 8.2290

■ 208.3300,
-27.0520, 5.6840

■ 223.7240,
-16.5980, 3.4500

■ 239.4170, -5.5480,
1.4280

Harmonies

Analogous

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



107.6140, -118.3840, 8.9120



97.0170, -102.9810, 21.6190



118.4750, 17.1820, 63.0860

Triad

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



97.0170, -102.9810, 21.6190



105.3420, 104.4890, 6.1290



95.6030, -69.4070, -47.2230

Complementary

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



97.0170, -102.9810, 21.6190



162.9830, 102.9810, -21.6190

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.



82.8640, -40.4260, -71.3540



97.0170, -102.9810, 21.6190



111.5460, 67.7230, -21.4050

Square

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



97.0170, -102.9810, 21.6190



89.0110, 109.2010, 63.9290



106.2210, 25.3170, -45.8430



104.8710, -92.7480, -26.1880

Rectangle

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



97.0170, -102.9810, 21.6190



104.4440, 63.1660, 77.7420



106.2210, 25.3170, -45.8430



92.2800, -61.4280, -54.1640

Sweetspot

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



97.0170, -102.9810, 21.6190



207.6330, -32.2790, 6.8010



165.8080, -107.9140, -81.7540



99.2830, -19.6700, 4.0580



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.



97.0170, -102.9810, 21.6190



91.8790, -111.2800, 23.3440



43.6880, -66.2200, 76.7880



117.0040, -5.8230, 0.9050



67.9190, -82.3940, 17.4620



22.2160, -26.7310, 5.3730

Inverse Universe

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



93.8500, 108.8770, 80.8210



88.4430, 117.6330, 87.3370



216.3120, 66.2200, -76.7880



116.5710, 5.8220, 4.6220



65.5170, 87.2850, 64.6370



21.2030, 28.0100, 21.0180

Previews

White Background



This preview shows how the YIQ color 97.0170, -102.9810, 21.6190 looks on a white background.

Color Contrast Check

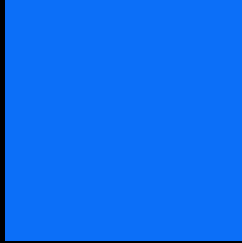
Large Text (above 18pt) WCAG AA ✓ Pass

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 97.0170, -102.9810, 21.6190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

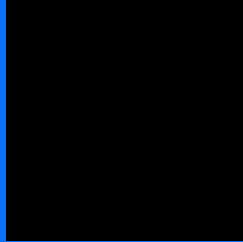
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

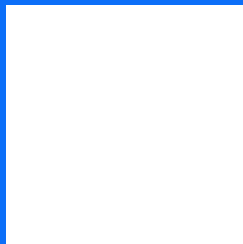
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 97.0170, -102.9810, 21.6190

Background



This preview shows how black text looks on a background with the YIQ color 97.0170, -102.9810, 21.6190.



This preview shows how white text looks on a background with the YIQ color 97.0170, -102.9810,

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

97.0170, -102.9810, 21.6190

Protanopia

93.6910, -108.1150, 15.5410

Deuteranopia

94.0380, -99.4470, 1.6170



Tritanopia

92.7430, -80.6440, -25.2840

Trichromacy



Original Color

97.0170, -102.9810, 21.6190

Protanomaly

94.6420, -106.4190, 17.8450

Deuteranomaly

95.1830, -101.0530, 8.6990

Tritanomaly

94.3900, -89.1750, -8.3350

Monochromacy



Original Color

97.0170, -102.9810, 21.6190

Achromatopsia

97.0000, -0.0000, 0.0000

Achromatomaly

96.9360, -37.5060, 7.9180

CSS Examples

Text

The CSS property to change the color of the text to YIQ 97.0170, -102.9810, 21.6190 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(12, 111, 248)` looks like.

```
.text, #text, p{  
    color:rgb(12, 111, 248)  
}
```

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(12, 111, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 111, 248) }
```

Border

The CSS property to change the border of an element to YIQ 97.0170, -102.9810, 21.6190 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(12, 111, 248) }
```


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

```
.border{ border-color:rgb(12, 111, 248) }
```

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

Here you see how a box with a 4 pixel rgb(12, 111, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 111, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 111, 248);  
box-shadow:4px 4px 4px 4px rgb(12, 111,  
248) }
```

Background

The CSS property to change the background color of an element to YIQ 97.0170, -102.9810, 21.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 111, 248) }
```

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

```
.background{ background-color: rgb(12, 111,  
248) }
```

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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