

Converting Colors

YIQ(97.9880, -77.6740, 31.0460)

Have a look what the booklet for
YIQ(97.9880, -77.6740, 31.0460)
contains.

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Color

**YIQ(97.9880, -77.6740,
31.0460)**

Conversions

Conversions Part 1

Format	Color
Hex	2B63ED
RGB	43, 99, 237
RGB Percent	17%, 39%, 93%
CMY	0.8313, 0.6117, 0.0710
CMYK	0.82, 0.58, 0.00, 0.07
HSL	223°, 84%, 55%
HSV	223°, 82%, 93%
XYZ	20.7305, 15.5498, 81.9485
YIQ	97.9880, -77.6740, 31.0460

Conversions

Conversions Part 2

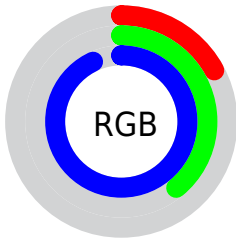
Format	Color
R_{YB}	43, 86, 237
Decimal	2843629
CIE _{Lab}	46.38, 32.10, -74.38
CIE _{LCh}	46, 81.007, 293.345
Yxy	15.5498, 0.1753, 0.1315
Android (android.graphics.Color)	4281033709 (0xFF2B63ED)
YUV	97.9880, 68.5329, -48.2245
Hunter-Lab	39.4332, 24.8312, -95.6108

Details

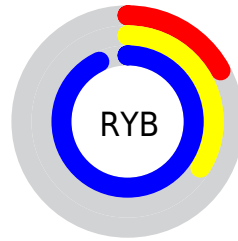
The YIQ color **97.9880, -77.6740, 31.0460** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **182.0120, 77.6740, -31.0460**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **152.7120, -50.7140, 27.0300**, and **52.2180, -72.6300, 27.7380** is the 20% darker color. If you saturate the color by 10%, you get **80.8330, -87.3030, 34.8490**, and if you desaturate by 10%, it is **115.1430, -68.0450, 27.2430**.

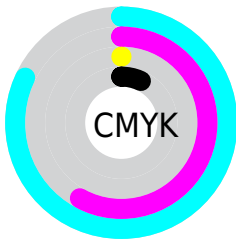
Distribution



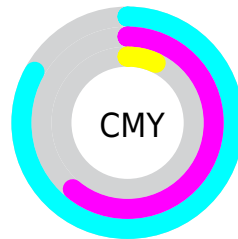
- Red (17%)
- Green (39%)
- Blue (93%)



- Red (17%)
- Yellow (34%)
- Blue (93%)



- Cyan (82%)
- Magenta (58%)
- Yellow (0%)
- Black (7%)



- Cyan (83%)
- Magenta (61%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 97.9880, -77.6740, 31.0460 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 97.9880, -77.6740, 31.0460 by changing the saturation by 10% instead.

■ 97.9880, -77.6740,
31.0460

■ 97.9880, -77.6740,
31.0460

■ 255.0000, -0.0000,
-0.0000

■ 68.3240, -87.6680,
24.9400

■ 152.7120,
-50.7140, 27.0300

■ 52.2180, -72.6300,
27.7380

■ 178.4280,
-38.4710, 19.9050

■ 37.2860, -58.1420,
29.4900

■ 203.5460,
-27.4200, 12.3560

■ 24.2290, -44.8000,
29.9840

■ 229.2510,
-16.6440, 4.2840

■ 13.1610, -32.9250,
29.5310

■ 252.9070, -4.1720,
-1.4840

■ 13.8330, -26.5500,
18.6180

■ 8.1620, -17.4710,

13.7690

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 97.9880, -77.6740,
31.0460

■ 97.9880, -77.6740,
31.0460

■ 80.8330, -87.3030,
34.8490

■ 115.1430,
-68.0450, 27.2430

■ 66.9340, -94.7770,
38.1430

■ 131.9990,
-59.0120, 23.2280

■ 149.1540,
-49.3830, 19.4250

■ 165.7220,
-39.4790, 16.1450

■ 182.5780,
-30.4460, 12.1300

■ 199.7330,
-20.8170, 8.3270

■ 216.8880,
-11.1880, 4.5240

■ 234.0430, -1.5590,
0.7210

■ 250.6000, 6.8780,
-3.5060

Harmonies

Analogous

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



100.9460, -113.3870, 11.9650



97.9880, -77.6740, 31.0460



106.7860, 26.6720, 67.3120

Triad

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



97.9880, -77.6740, 31.0460



97.3350, 97.1990, 6.0870



90.3200, -66.9320, -42.5160

Complementary

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



97.9880, -77.6740, 31.0460



182.0120, 77.6740, -31.0460

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.



78.1680, -38.2260, -67.1700



97.9880, -77.6740, 31.0460



103.8270, 59.5620, -22.1820

Square

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



97.9880, -77.6740, 31.0460



73.3320, 112.7310, 66.0350



96.4310, 15.9180, -46.2100



99.4740, -89.9520, -21.7920

Rectangle

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



97.9880, -77.6740, 31.0460



79.4060, 75.4970, 91.0570



96.4310, 15.9180, -46.2100



86.9970, -58.9530, -49.4570

Sweetspot

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



97.9880, -77.6740, 31.0460



209.4490, -25.7690, 9.9670



172.3820, -97.0060, -59.1660



99.9030, -15.5440, 6.3760



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.



97.9880, -77.6740, 31.0460



75.7640, -100.0500, 40.0940



76.7770, -39.0300, 68.6020



109.0150, -4.3560, 1.8520



51.1580, -72.4010, 29.0950



14.9610, -21.4590, 8.9490

Inverse Universe

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



107.3900, 97.6480, 58.5440



87.9580, 125.8880, 75.3920



203.2230, 39.0300, -68.6020



109.6310, 5.5930, 3.2650



60.0470, 91.1840, 54.5440



17.8560, 27.3690, 16.1130

Previews

White Background



This preview shows how the YIQ color 97.9880, -77.6740, 31.0460 looks on a white background.

Color Contrast Check

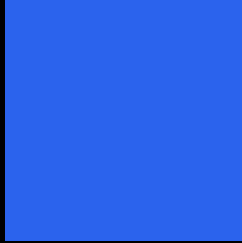
Large Text (above 18pt) WCAG AA ✓ Pass

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 97.9880, -77.6740, 31.0460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

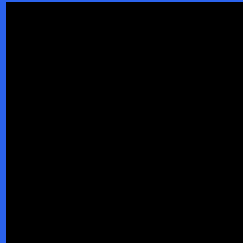
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 97.9880, -77.6740, 31.0460

Background



This preview shows how black text looks on a background with the YIQ color 97.9880, -77.6740, 31.0460.



This preview shows how white text looks on a background with the YIQ color 97.9880, -77.6740,

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

97.9880, -77.6740, 31.0460

Protanopia

87.0570, -100.4580, 14.4380

Deuteranopia

87.6320, -92.4320, 1.1360



Tritanopia

85.7330, -74.6840, -23.1640

Trichromacy



Original Color

97.9880, -77.6740, 31.0460

Protanomaly

91.2370, -91.9770, 20.4310

Deuteranomaly

91.3050, -86.6570, 12.1190

Tritanomaly

90.2670, -75.4670, -3.4590

Monochromacy



Original Color

97.9880, -77.6740, 31.0460

Achromatopsia

98.0000, -0.0000, -0.0000

Achromatomaly

97.8340, -28.2910, 11.6210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 97.9880, -77.6740, 31.0460 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(43, 99, 237)` looks like.

```
.text, #text, p{  
    color:rgb(43, 99, 237)  
}
```

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(43, 99, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 99, 237) }
```

Border

The CSS property to change the border of an element to YIQ 97.9880, -77.6740, 31.0460 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(43, 99, 237) }
```


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

```
.border{ border-color:rgb(43, 99, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 99, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 99, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 99, 237);  
box-shadow:4px 4px 4px 4px rgb(43, 99,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 97.9880, -77.6740, 31.0460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 99, 237) }
```

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

```
.background{ background-color: rgb(43, 99,  
237) }
```

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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