

Converting Colors

YIQ(47.7740, -87.6740, 58.1020)

Have a look what the booklet for
YIQ(47.7740, -87.6740, 58.1020)
contains.

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Color

**YIQ(47.7740, -87.6740,
58.1020)**

Conversions

Conversions Part 1

Format	Color
Hex	0022F4
RGB	0, 34, 244
RGB Percent	0%, 13%, 96%
CMY	0.9997, 0.8666, 0.0436
CMYK	1.00, 0.86, 0.00, 0.04
HSL	232°, 100%, 48%
HSV	232°, 100%, 96%
XYZ	16.8820, 7.6687, 86.0748
YIQ	47.7740, -87.6740, 58.1020

Conversions

Conversions Part 2

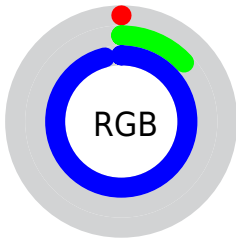
Format	Color
R _Y B	0, 30, 244
Decimal	8948
CIE Lab	33.28, 68.63, -99.96
CIE LCh	33, 121.250, 304.474
Yxy	7.6687, 0.1526, 0.0693
Android (android.graphics.Color)	4278199028 (0xFF0022F4)
YUV	47.7740, 96.7394, -41.8978
Hunter-Lab	27.6925, 60.3559, -164.9026

Details

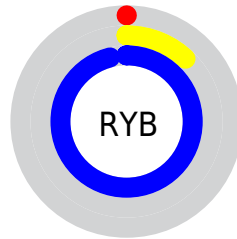
The YIQ color **47.7740, -87.6740, 58.1020** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **196.2260, 87.6740, -58.1020**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.1220, -36.0480, 58.6080**, and **21.2040, -59.7060, 57.8460** is the 20% darker color. If you saturate the color by 10%, you get **47.7740, -87.6740, 58.1020**, and if you desaturate by 10%, it is **67.2770, -79.1450, 52.2070**.

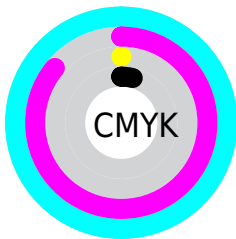
Distribution



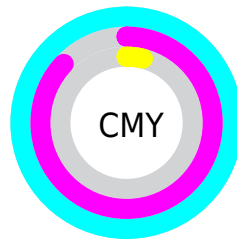
- Red (0%)
- Green (13%)
- Blue (96%)



- Red (0%)
- Yellow (12%)
- Blue (96%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (87%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.7740, -87.6740, 58.1020 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 47.7740, -87.6740, 58.1020 by changing the saturation by 10% instead.

■ 47.7740, -87.6740,
58.1020

■ 47.7740, -87.6740,
58.1020

■ 255.0000, -0.0000,
-0.0000

■ 25.0970, -69.2900,
66.3420

■ 115.1220,
-36.0480, 58.6080

■ 21.2040, -59.7060,
57.8460

■ 140.8490,
-22.3380, 52.4300

■ 18.0120, -50.7180,
49.1380

■ 166.5650,
-10.0950, 45.3050

■ 14.8200, -41.7300,
40.4300

■ 192.2810, 2.1480,
38.1800

■ 21.8350, -38.0590,
23.4530

■ 218.5840, 14.1160,
30.5320

■ 14.8760, -28.1090,
19.3390

■ 236.8030, 8.5250,

■ 9.2050, -19.0300,

16.2130

14.4900

253.8260, 0.5500,
1.0460

■ 4.9360, -11.1430,
9.2170

■ 0.5700, -1.6050,
1.5550

■ 47.7740, -87.6740,
58.1020

■ 67.2770, -79.1450,
52.2070

■ 87.0790, -70.0200,
46.5240

■ 106.5820,
-61.4910, 40.6290

■ 126.3840,
-52.3660, 34.9460

■ 145.8870,
-43.8370, 29.0510

■ 165.3900,
-35.3080, 23.1560

■ 185.1920,
-26.1830, 17.4730

■ 204.6950,
-17.6540, 11.5780

■ 224.4970, -8.5290,
5.8950

Harmonies

Analogous

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



84.2480, -107.7050, 30.1430



47.7740, -87.6740, 58.1020



76.1040, 61.7880, 91.7080

Triad

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



47.7740, -87.6740, 58.1020



59.2700, 87.7970, 22.3010



72.5960, -58.3610, -27.1370

Complementary

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



47.7740, -87.6740, 58.1020



196.2260, 87.6740, -58.1020

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.



60.4610, -28.3250, -53.8690



47.7740, -87.6740, 58.1020



72.6630, 27.7890, -24.5550

Square

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



47.7740, -87.6740, 58.1020



62.1920, 123.9680, 44.0960



57.5260, -26.9500, -51.2540



85.5290, -90.6440, 1.7720

Rectangle

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



47.7740, -87.6740, 58.1020



77.8920, 99.8910, 78.4750



57.5260, -26.9500, -51.2540



68.1330, -47.1720, -37.1880

Sweetspot

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



47.7740, -87.6740, 58.1020



193.5340, -27.1460, 18.4060



166.8260, -133.5470, -63.2350



90.7660, -16.4160, 11.1680



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.



47.7740, -87.6740, 58.1020



49.6150, -91.4800, 61.0000



53.2310, -27.6640, 93.9040



112.5420, -4.4020, 2.6860



36.4660, -66.8560, 44.2480



11.4220, -21.1390, 14.1650

Inverse Universe

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



76.8320, 134.5100, 62.3020



80.2350, 140.7450, 64.9450



190.7690, 27.6640, -93.9040



113.8160, 6.5100, 3.1660



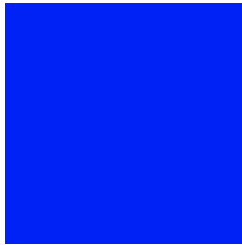
58.5780, 102.5100, 47.5180



18.5530, 32.5960, 14.9960

Previews

White Background



This preview shows how the YIQ color 47.7740, -87.6740, 58.1020 looks on a white background.

Color Contrast Check

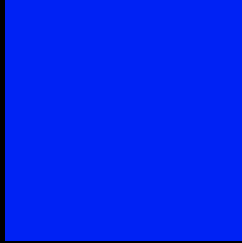
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 47.7740, -87.6740, 58.1020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 47.7740, -87.6740, 58.1020

Background



This preview shows how black text looks on a background with the YIQ color 47.7740, -87.6740, 58.1020.



This preview shows how white text looks on a background with the YIQ color 47.7740, -87.6740,

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

47.7740, -87.6740, 58.1020

Protanopia

62.0370, -71.3430, 9.9130

Deuteranopia

62.2360, -65.0140, -0.1660



Tritanopia

61.4430, -53.1360, -17.2000

Trichromacy



Original Color

47.7740, -87.6740, 58.1020

Protanomaly

56.7660, -77.1690, 27.3990

Deuteranomaly

56.8170, -73.1790, 21.1650

Tritanomaly

56.6740, -65.8870, 10.1530

Monochromacy



Original Color

47.7740, -87.6740, 58.1020

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

48.0760, -31.5480, 21.0920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.7740, -87.6740, 58.1020 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, 34, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 34, 244)  
}
```

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, 34, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 34, 244) }
```

Border

The CSS property to change the border of an element to YIQ 47.7740, -87.6740, 58.1020 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, 34, 244) }
```


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

```
.border{ border-color:rgb(0, 34, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 34, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 34, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 34, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 34, 244)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.7740, -87.6740, 58.1020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 34, 244) }
```

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

```
.background{ background-color: rgb(0, 34,  
244) }
```

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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