

Converting Colors

YIQ(48.7380, -61.6300, 48.6580)

Have a look what the booklet for
YIQ(48.7380, -61.6300, 48.6580)
contains.

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Color

**YIQ(48.7380, -61.6300,
48.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	1422C8
RGB	20, 34, 200
RGB Percent	8%, 13%, 78%
CMY	0.9214, 0.8667, 0.2161
CMYK	0.90, 0.83, 0.00, 0.22
HSL	235°, 82%, 43%
HSV	235°, 90%, 78%
XYZ	11.2753, 5.4590, 55.0447
YIQ	48.7380, -61.6300, 48.6580

Conversions

Conversions Part 2

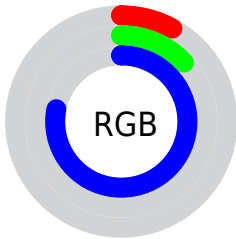
Format	Color
R_{YB}	20, 33, 200
Decimal	1319624
CIE _{Lab}	28.00, 56.00, -83.45
CIE _{LCh}	28, 100.504, 303.864
Yxy	5.4590, 0.1571, 0.0761
Android (android.graphics.Color)	4279509704 (0xFF1422C8)
YUV	48.7380, 74.5722, -25.2032
Hunter-Lab	23.3645, 45.2527, -123.3267

Details

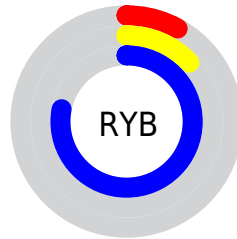
The YIQ color **48.7380, -61.6300, 48.6580** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **171.2620, 61.6300, -48.6580**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **110.0830, -40.3120, 58.7920**, and **16.4160, -46.2240, 44.7840** is the 20% darker color. If you saturate the color by 10%, you get **32.1920, -68.6000, 53.8320**, and if you desaturate by 10%, it is **65.2840, -54.6600, 43.4840**.

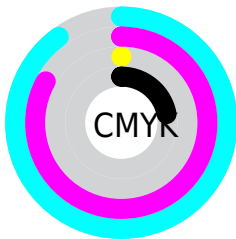
Distribution



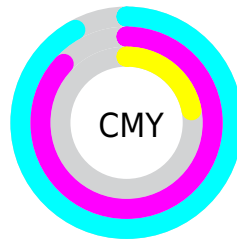
- Red (8%)
- Green (13%)
- Blue (78%)



- Red (8%)
- Yellow (13%)
- Blue (78%)



- Cyan (90%)
- Magenta (83%)
- Yellow (0%)
- Black (22%)



- Cyan (92%)
- Magenta (87%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.7380, -61.6300, 48.6580 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 48.7380, -61.6300, 48.6580 by changing the saturation by 10% instead.

■ 48.7380, -61.6300,
48.6580

■ 48.7380, -61.6300,
48.6580

■ 255.0000, -0.0000,
-0.0000

■ 23.7170, -57.1370,
49.8310

■ 110.0830,
-40.3120, 58.7920

■ 16.4160, -46.2240,
44.7840

■ 134.9130,
-28.3900, 51.9780

■ 13.4520, -37.8780,
36.6980

■ 159.4440,
-17.0640, 44.9520

■ 16.3580, -32.2820,
23.3820

■ 184.8610, -5.4170,
37.6150

■ 11.7470, -23.4320,
17.1760

■ 209.9790, 5.6340,
30.0660


■ 6.7770, -14.9490,
12.1150

■ 232.6940, 10.4500,


■ 3.0950, -7.3370,


19.8740


6.3190


 249.7170, 2.4750,
4.7070


 0.0000, 0.0000,
0.0000


 48.7380, -61.6300,
48.6580


 48.7380, -61.6300,
48.6580


 32.1920, -68.6000,
53.8320

 65.2840, -54.6600,
43.4840

 82.4170, -47.9650,
37.7870

 98.9630, -40.9950,
32.6130

 116.0960,
-34.3000, 26.9160

 132.6420,
-27.3300, 21.7420

■ 149.7750,
-20.6350, 16.0450

■ 166.3210,
-13.6650, 10.8710

■ 183.4540, -6.9700,
5.1740

■ 200.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



72.3650, -94.9130, 29.5910



48.7380, -61.6300, 48.6580



62.4470, 49.9160, 75.5800

Triad

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



48.7380, -61.6300, 48.6580



52.3820, 72.6220, 16.4780



60.7930, -48.5500, -23.2220

Complementary

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



48.7380, -61.6300, 48.6580



171.2620, 61.6300, -48.6580

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.



51.0690, -23.9250, -45.5010



48.7380, -61.6300, 48.6580



61.7430, 24.8080, -20.0880

Square

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



48.7380, -61.6300, 48.6580



51.7270, 103.1080, 36.6760



48.1340, -22.5500, -42.8860



71.4460, -74.4130, -0.5330

Rectangle

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



48.7380, -61.6300, 48.6580



64.2220, 80.8660, 65.3300



48.1340, -22.5500, -42.8860



57.6010, -39.5620, -31.9300

Sweetspot

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



48.7380, -61.6300, 48.6580



196.8010, -23.5240, 18.8440



144.4700, -102.4650, -42.8250



93.4350, -13.9860, 11.1820



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.



48.7380, -61.6300, 48.6580



40.8100, -87.3550, 68.8450



62.9450, -13.0800, 71.8800



91.0260, -2.8890, 2.7990



26.2130, -55.8980, 43.8940



5.8650, -12.3810, 9.6270

Inverse Universe

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



75.4160, 102.7860, 42.5140



78.5250, 145.5600, 60.2800



157.0550, 13.0800, -71.8800



92.6910, 5.3640, 1.9080



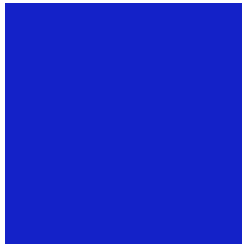
50.2190, 92.9750, 38.5990



11.1060, 20.4930, 8.5650

Previews

White Background



This preview shows how the YIQ color 48.7380, -61.6300, 48.6580 looks on a white background.

Color Contrast Check

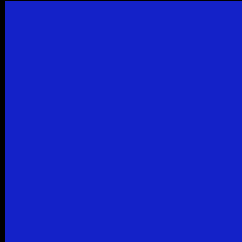
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7380, -61.6300, 48.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

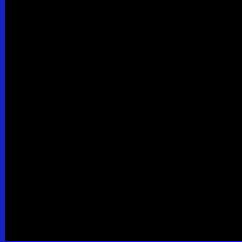
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.7380, -61.6300, 48.6580

Background



This preview shows how black text looks on a background with the YIQ color 48.7380, -61.6300, 48.6580.



This preview shows how white text looks on a background with the YIQ color 48.7380, -61.6300,

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

48.7380, -61.6300, 48.6580

Protanopia

52.8440, -60.6140, 8.2020

Deuteranopia

52.9120, -55.2940, -0.1100



Tritanopia

52.2160, -45.0670, -14.7550

Trichromacy



Original Color

48.7380, -61.6300, 48.6580

Protanomaly

51.2160, -61.1210, 22.9030

Deuteranomaly

51.4950, -57.7730, 17.2910

Tritanomaly

50.6340, -51.2150, 8.5690

Monochromacy



Original Color

48.7380, -61.6300, 48.6580

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.0460, -22.8360, 17.3880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.7380, -61.6300, 48.6580 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(20, 34, 200)` looks like.

```
.text, #text, p{  
    color:rgb(20, 34, 200)  
}
```

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(20, 34, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 34, 200) }
```

Border

The CSS property to change the border of an element to YIQ 48.7380, -61.6300, 48.6580 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(20, 34, 200) }
```


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

```
.border{ border-color:rgb(20, 34, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 34, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 34, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 34, 200);  
box-shadow:4px 4px 4px 4px rgb(20, 34,  
200) }
```

Background

The CSS property to change the background color of an element to YIQ 48.7380, -61.6300, 48.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 34, 200) }
```

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

```
.background{ background-color: rgb(20, 34,  
200) }
```

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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