

Converting Colors

YIQ(39.9420, -62.8650, 32.4870)

Have a look what the booklet for
YIQ(39.9420, -62.8650, 32.4870)
contains.

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Color

**YIQ(39.9420, -62.8650,
32.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	0024A5
RGB	0, 36, 165
RGB Percent	0%, 14%, 65%
CMY	0.9999, 0.8588, 0.3533
CMYK	1.00, 0.78, 0.00, 0.35
HSL	227°, 100%, 32%
HSV	227°, 100%, 65%
XYZ	7.4148, 3.9761, 35.9315
YIQ	39.9420, -62.8650, 32.4870

Conversions

Conversions Part 2

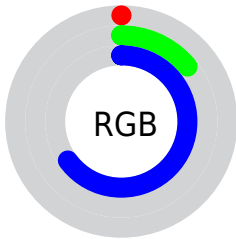
Format	Color
RYB	0, 30, 165
Decimal	9381
CIELab	23.59, 42.99, -69.95
CIELCh	24, 82.100, 301.574
Yxy	3.9761, 0.1567, 0.0840
Android (android.graphics.Color)	4278199461 (0xFF0024A5)
YUV	39.9420, 61.6536, -35.0291
Hunter-Lab	19.9401, 31.4806, -92.8810

Details

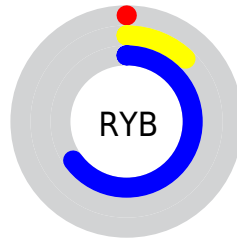
The YIQ color **39.9420, -62.8650, 32.4870** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **125.0580, 62.8650, -32.4870**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.8360, -38.6590, 45.3490**, and **12.7680, -35.9520, 34.8320** is the 20% darker color. If you saturate the color by 10%, you get **39.9420, -62.8650, 32.4870**, and if you desaturate by 10%, it is **52.6560, -56.3080, 29.2920**.

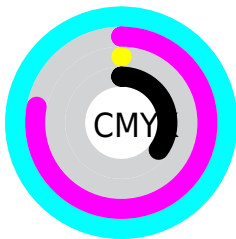
Distribution



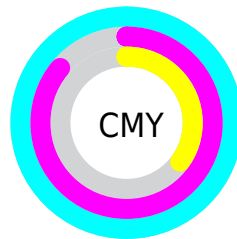
- Red (0%)
- Green (14%)
- Blue (65%)



- Red (0%)
- Yellow (12%)
- Blue (65%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (86%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 39.9420, -62.8650, 32.4870 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 39.9420, -62.8650, 32.4870 by changing the saturation by 10% instead.

■ 39.9420, -62.8650,
32.4870

■ 39.9420, -62.8650,
32.4870

■ 255.0000, -0.0000,
-0.0000

■ 24.5370, -48.4230,
35.0730

■ 100.8360,
-38.6590, 45.3490

■ 12.7680, -35.9520,
34.8320

■ 128.0860,
-36.3670, 47.8650

■ 9.8040, -27.6060,
26.7460

■ 152.3010,
-26.9670, 42.7050

■ 10.5900, -21.5520,
16.1440

■ 177.1200,
-16.5120, 34.9440

■ 6.2070, -13.3440,
10.5600

■ 201.9390, -6.0570,
27.1830

■ 2.4110, -5.4110,
4.4530

■ 227.3450, 4.1230,

■ 0.0000, 0.0000,

18.8990

0.0000

■ 247.3690, 3.5750,
6.7990

■ 39.9420, -62.8650,
32.4870

■ 52.6560, -56.3080,
29.2920

■ 65.0710, -50.3470,
25.8850

■ 77.7850, -43.7900,
22.6900

■ 90.2000, -37.8290,
19.2830

■ 102.0280,
-31.5930, 16.3990

■ 114.7420,
-25.0360, 13.2040

■ 127.1570,
-19.0750, 9.7970

■ 139.8710,
-12.5180, 6.6020

■ 152.2860, -6.5570,
3.1950

Harmonies

Analogous

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



60.4190, -77.8100, 22.4940



39.9420, -62.8650, 32.4870



50.8980, 37.8600, 62.7880

Triad

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



39.9420, -62.8650, 32.4870



44.9400, 62.1230, 14.0190



51.2240, -39.5180, -21.7100

Complementary

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



39.9420, -62.8650, 32.4870



125.0580, 62.8650, -32.4870

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.



43.4380, -20.3500, -38.7020



39.9420, -62.8650, 32.4870



52.9050, 24.5320, -15.0840

Square

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



39.9420, -62.8650, 32.4870



43.3550, 86.4200, 30.7400



40.5030, -18.9750, -36.0870



58.9930, -60.0160, -2.6400

Rectangle

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



39.9420, -62.8650, 32.4870



52.9160, 63.8120, 55.0120



40.5030, -18.9750, -36.0870



48.1290, -32.1810, -28.0290

Sweetspot

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



39.9420, -62.8650, 32.4870



165.5140, -24.3940, 12.5820



111.2190, -85.8210, -47.1090



78.0280, -14.3980, 7.6340



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9420, -62.8650, 32.4870



51.9850, -81.6190, 41.9730



31.9660, -26.7410, 60.6430



75.2000, -3.4390, 1.7530



35.3140, -55.3450, 28.3590



4.4000, -6.8780, 3.5060

Inverse Universe

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



53.4390, 86.7840, 46.1760



69.3440, 112.4570, 59.9850



133.0340, 26.7410, -60.6430



75.9190, 4.7220, 2.5300



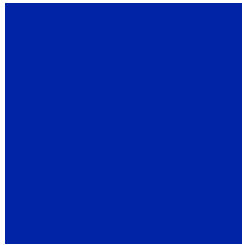
47.0030, 76.1480, 40.6920



5.8380, 9.4440, 5.0600

Previews

White Background



This preview shows how the YIQ color 39.9420, -62.8650, 32.4870 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 39.9420, -62.8650, 32.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

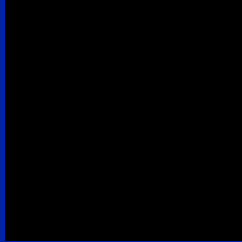
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 39.9420, -62.8650, 32.4870

Background



This preview shows how black text looks on a background with the YIQ color 39.9420, -62.8650, 32.4870.



This preview shows how white text looks on a background with the YIQ color 39.9420, -62.8650,

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

39.9420, -62.8650, 32.4870

Protanopia

45.5090, -52.3610, 7.3110

Deuteranopia

45.8050, -47.6830, -0.3790



Tritanopia

44.6190, -38.8320, -12.1120

Trichromacy



Original Color

39.9420, -62.8650, 32.4870

Protanomaly

43.4520, -56.2140, 16.5700

Deuteranomaly

43.8450, -53.1870, 11.2690

Tritanomaly

42.8530, -47.6380, 4.3140

Monochromacy



Original Color

39.9420, -62.8650, 32.4870

Achromatopsia

40.0000, 0.0000, -0.0000

Achromatomaly

40.0580, -23.1100, 11.3380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 39.9420, -62.8650, 32.4870 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, 36, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 36, 165)  
}
```

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, 36, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 36, 165) }
```

Border

The CSS property to change the border of an element to YIQ 39.9420, -62.8650, 32.4870 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, 36, 165) }
```


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

```
.border{ border-color:rgb(0, 36, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 36, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 36, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 36, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 36, 165)  
}
```

Background

The CSS property to change the background color of an element to YIQ 39.9420, -62.8650, 32.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 36, 165) }
```

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

```
.background{ background-color: rgb(0, 36,  
165) }
```

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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