

Converting Colors

YIQ(49.9620, -39.2540, 39.6100)

Have a look what the booklet for
YIQ(49.9620, -39.2540, 39.6100)
contains.

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Color

**YIQ(49.9620, -39.2540,
39.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	2523A1
RGB	37, 35, 161
RGB Percent	15%, 14%, 63%
CMY	0.8548, 0.8628, 0.3689
CMYK	0.77, 0.78, 0.00, 0.37
HSL	241°, 64%, 38%
HSV	241°, 78%, 63%
XYZ	7.7921, 4.1667, 34.0819
YIQ	49.9620, -39.2540, 39.6100

Conversions

Conversions Part 2

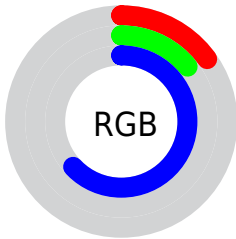
Format	Color
R _Y B	37, 35, 161
Decimal	2433953
CIE Lab	24.21, 43.87, -66.46
CIE LCh	24, 79.631, 303.427
Yxy	4.1667, 0.1692, 0.0905
Android (android.graphics.Color)	4280624033 (0xFF2523A1)
YUV	49.9620, 54.7417, -11.3677
Hunter-Lab	20.4124, 32.4172, -84.7057




Details

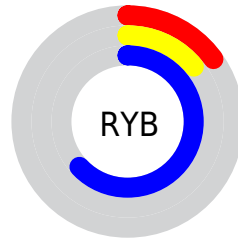
The YIQ color **49.9620, -39.2540, 39.6100** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **146.0380, 39.2540, -39.6100**, and the grayscale version is **49.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **103.9680, -30.2230, 46.6490**, and **12.3120, -34.6680, 33.5880** is the 20% darker color. If you saturate the color by 10%, you get **35.7860, -44.3900, 44.5860**, and if you desaturate by 10%, it is **64.1380, -34.1180, 34.6340**.

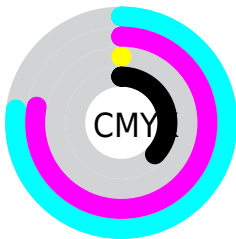
Distribution







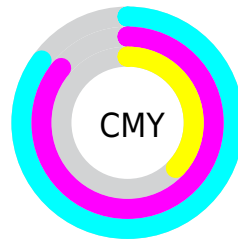
-  Red (15%)
-  Green (14%)
-  Blue (63%)






-  Red (15%)
-  Yellow (14%)
-  Blue (63%)



-  Cyan (77%)
-  Magenta (78%)
-  Yellow (0%)
-  Black (37%)



-  Cyan (85%)
-  Magenta (86%)
-  Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.9620, -39.2540, 39.6100 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 49.9620, -39.2540, 39.6100 by changing the saturation by 10% instead.

■ 49.9620, -39.2540,
39.6100

■ 49.9620, -39.2540,
39.6100

■ 255.0000, -0.0000,
-0.0000

■ 22.3200, -46.3140,
35.3980

■ 103.9680,
-30.2230, 46.6490

■ 12.3120, -34.6680,
33.5880

■ 130.9190,
-28.5270, 48.9530

■ 9.4620, -26.6430,
25.8130

■ 155.8780,
-21.2820, 44.3020

■ 10.1340, -20.2680,
14.9000

■ 180.1100,
-10.5520, 37.0640

■ 5.2780, -12.1060,
10.1500

■ 204.6300, -0.6930,
29.0910

■ 1.3680, -3.8520,
3.7320

■ 230.3350, 10.0830,

■ 0.0000, 0.0000,

21.0190

0.0000

247.9560, 3.3000,
6.2760

49.9620, -39.2540,
39.6100

49.9620, -39.2540,
39.6100

35.7860, -44.3900,
44.5860

64.1380, -34.1180,
34.6340

21.6100, -49.5260,
49.5620

78.3140, -28.9820,
29.6580

19.2510, -49.8930,
50.7070

92.4900, -23.8460,
24.6820

106.3670,
-19.3060, 19.4940

120.5430,
-14.1700, 14.5180

■ 135.3060, -9.3090,
9.0190

■ 149.4820, -4.1730,
4.0430

■ 163.6580, 0.9630,
-0.9330

■ 177.8340, 6.0990,
-5.9090

Harmonies

Analogous

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



59.4900, -76.5720, 22.0840



49.9620, -39.2540, 39.6100



51.4530, 40.6110, 62.4910

Triad

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



49.9620, -39.2540, 39.6100



49.3370, 59.3270, 9.6230



52.3810, -41.3980, -20.6780

Complementary

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



49.9620, -39.2540, 39.6100



146.0380, 39.2540, -39.6100

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.



44.0250, -20.6250, -39.2250



49.9620, -39.2540, 39.6100



53.7800, 23.3860, -16.3420

Square

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



49.9620, -39.2540, 39.6100



42.7570, 85.2280, 30.3160



41.6770, -19.5250, -37.1330



60.5090, -61.5290, -2.7530

Rectangle

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



49.9620, -39.2540, 39.6100



52.9870, 65.0500, 54.6020



41.6770, -19.5250, -37.1330



49.9870, -34.6570, -27.2090

Sweetspot

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



49.9620, -39.2540, 39.6100



166.7710, -14.8120, 15.1400



123.3260, -75.0960, -26.7120



78.7190, -9.0340, 9.5420



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



49.9620, -39.2540, 39.6100



36.2410, -61.1280, 61.5920



68.2010, -2.8980, 52.5420



74.3250, -2.2930, 3.0110



17.1280, -45.3530, 45.5190



2.0520, -5.7780, 5.5980

Inverse Universe

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



86.8100, 35.2920, 65.2760



93.6060, 54.8630, 101.5750



127.7990, 2.8980, -52.5420



76.6030, 2.7960, 4.3960



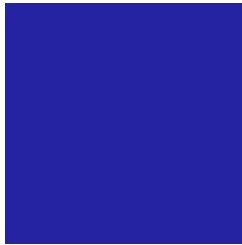
59.6570, 40.5170, 75.2130



7.4340, 4.9500, 9.4140

Previews

White Background



This preview shows how the YIQ color 49.9620, -39.2540, 39.6100 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 49.9620, -39.2540, 39.6100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

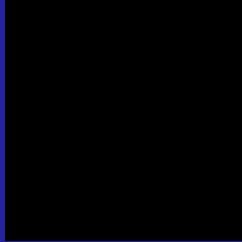
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.9620, -39.2540, 39.6100

Background



This preview shows how black text looks on a background with the YIQ color 49.9620, -39.2540, 39.6100.



This preview shows how white text looks on a background with the YIQ color 49.9620, -39.2540,

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

49.9620, -39.2540, 39.6100

Protanopia

46.3240, -53.2780, 7.4100

Deuteranopia

46.6200, -48.6000, -0.2800



Tritanopia

45.3200, -39.4280, -12.3240

Trichromacy



Original Color

49.9620, -39.2540, 39.6100

Protanomaly

47.3390, -48.4660, 19.3260

Deuteranomaly

47.7320, -45.4390, 14.0250

Tritanomaly

46.6260, -39.5690, 6.7590

Monochromacy



Original Color

49.9620, -39.2540, 39.6100

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

50.1300, -14.4450, 13.9950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.9620, -39.2540, 39.6100 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(37, 35, 161)` looks like.

```
.text, #text, p{  
    color:rgb(37, 35, 161)  
}
```

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(37, 35, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 35, 161) }
```

Border

The CSS property to change the border of an element to YIQ 49.9620, -39.2540, 39.6100 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(37, 35, 161) }
```


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

```
.border{ border-color:rgb(37, 35, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 35, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 35, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 35, 161);  
box-shadow:4px 4px 4px 4px rgb(37, 35,  
161) }
```

Background

The CSS property to change the background color of an element to YIQ 49.9620, -39.2540, 39.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 35, 161) }
```

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

```
.background{ background-color: rgb(37, 35,  
161) }
```

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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