

Converting Colors

YIQ(49.6520, -41.3170, 38.4510)

Have a look what the booklet for
YIQ(49.6520, -41.3170, 38.4510)
contains.

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Color

**YIQ(49.6520, -41.3170,
38.4510)**

Conversions

Conversions Part 1

Format	Color
Hex	2224A1
RGB	34, 36, 161
RGB Percent	13%, 14%, 63%
CMY	0.8666, 0.8588, 0.3689
CMYK	0.79, 0.78, 0.00, 0.37
HSL	239°, 65%, 38%
HSV	239°, 79%, 63%
XYZ	7.7184, 4.1731, 34.0862
YIQ	49.6520, -41.3170, 38.4510

Conversions

Conversions Part 2

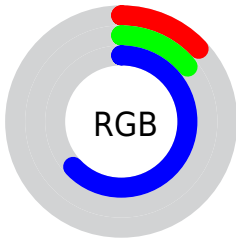
Format	Color
R_{YB}	34, 36, 161
Decimal	2237601
CIE _{Lab}	24.24, 43.09, -66.43
CIE _{LCh}	24, 79.181, 302.971
Yxy	4.1731, 0.1679, 0.0908
Android (android.graphics.Color)	4280427681 (0xFF2224A1)
YUV	49.6520, 54.8946, -13.7268
Hunter-Lab	20.4281, 31.6935, -84.6310

Details

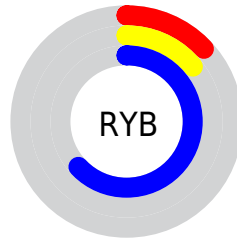
The YIQ color **49.6520, -41.3170, 38.4510** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **145.3480, 41.3170, -38.4510**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.9570, -31.6900, 45.7020**, and **12.3120, -34.6680, 33.5880** is the 20% darker color. If you saturate the color by 10%, you get **35.4760, -46.4530, 43.4270**, and if you desaturate by 10%, it is **63.8280, -36.1810, 33.4750**.

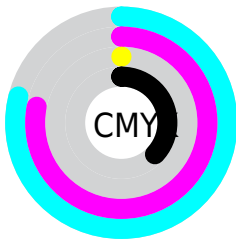
Distribution



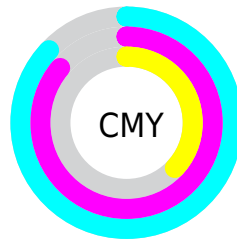
- Red (13%)
- Green (14%)
- Blue (63%)



- Red (13%)
- Yellow (14%)
- Blue (63%)



- Cyan (79%)
- Magenta (78%)
- Yellow (0%)
- Black (37%)



- Cyan (87%)
- Magenta (86%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.6520, -41.3170, 38.4510 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 49.6520, -41.3170, 38.4510 by changing the saturation by 10% instead.

■ 49.6520, -41.3170,
38.4510

■ 49.6520, -41.3170,
38.4510

■ 255.0000, -0.0000,
-0.0000

■ 23.4940, -46.8640,
34.3520

■ 103.9570,
-31.6900, 45.7020

■ 12.3120, -34.6680,
33.5880

■ 130.9080,
-29.9940, 48.0060

■ 9.4620, -26.6430,
25.8130

■ 155.2800,
-22.4740, 43.8780

■ 10.1340, -20.2680,
14.9000

■ 180.0990,
-12.0190, 36.1170

■ 5.2780, -12.1060,
10.1500

■ 204.9180, -1.5640,
28.3560

■ 1.3680, -3.8520,
3.7320

■ 230.3240, 8.6160,

■ 0.0000, 0.0000,

20.0720

0.0000

248.5430, 3.0250,
5.7530

49.6520, -41.3170,
38.4510

49.6520, -41.3170,
38.4510

35.4760, -46.4530,
43.4270

63.8280, -36.1810,
33.4750

21.3000, -51.5890,
48.4030

78.0040, -31.0450,
28.4990

19.5280, -52.2310,
49.0250

92.1800, -25.9090,
23.5230

105.7690,
-20.4980, 19.0700

119.9450,
-15.3620, 14.0940

■ 134.4200, -9.6300,
9.3300

■ 148.5960, -4.4940,
4.3540

■ 162.7720, 0.6420,
-0.6220

■ 176.9480, 5.7780,
-5.5980

Harmonies

Analogous

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



59.9630, -76.5260, 21.2500



49.6520, -41.3170, 38.4510



51.1540, 40.0150, 62.2790

Triad

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



49.6520, -41.3170, 38.4510



48.7500, 59.6020, 10.1460



52.2670, -41.0770, -20.9890

Complementary

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



49.6520, -41.3170, 38.4510



145.3480, 41.3170, -38.4510

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



49.6520, -41.3170, 38.4510



54.0790, 23.9820, -16.1300

Square

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



49.6520, -41.3170, 38.4510



42.7570, 85.2280, 30.3160



41.0900, -19.2500, -36.6100



60.3950, -61.2080, -3.0640

Rectangle

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



49.6520, -41.3170, 38.4510



52.6880, 64.4540, 54.3900



41.0900, -19.2500, -36.6100



49.8730, -34.3360, -27.5200

Sweetspot

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



49.6520, -41.3170, 38.4510



165.2870, -16.3250, 15.0270



122.7990, -75.0500, -27.5460



78.1210, -10.2260, 9.1180



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.



49.6520, -41.3170, 38.4510



35.0340, -64.9790, 59.7970



66.7170, -4.4110, 52.4290



74.6130, -3.1640, 2.2760



17.7040, -47.0950, 44.0490



2.0520, -5.7780, 5.5980

Inverse Universe

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



72.2010, 75.0500, 27.5460



69.9570, 117.3200, 43.4320



128.2830, 4.4110, -52.4290



75.8050, 5.0430, 2.2190



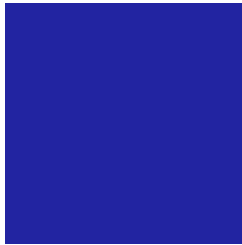
43.5830, 85.7780, 31.3620



5.3820, 10.7280, 3.8160

Previews

White Background



This preview shows how the YIQ color 49.6520, -41.3170, 38.4510 looks on a white background.

Color Contrast Check

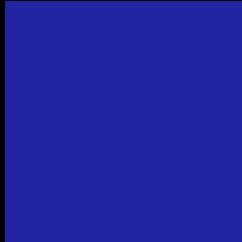
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6520, -41.3170, 38.4510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

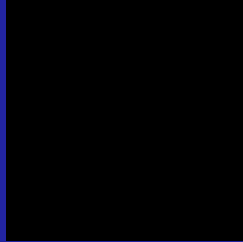
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.6520, -41.3170, 38.4510

Background



This preview shows how black text looks on a background with the YIQ color 49.6520, -41.3170, 38.4510.



This preview shows how white text looks on a background with the YIQ color 49.6520, -41.3170,

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

49.6520, -41.3170, 38.4510

Protanopia

46.3240, -53.2780, 7.4100

Deuteranopia

46.6200, -48.6000, -0.2800



Tritanopia

45.3200, -39.4280, -12.3240

Trichromacy



Original Color

49.6520, -41.3170, 38.4510

Protanomaly

47.6270, -49.3370, 18.5910

Deuteranomaly

47.4330, -46.0350, 13.8130

Tritanomaly

46.9140, -40.4400, 6.0240

Monochromacy



Original Color

49.6520, -41.3170, 38.4510

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8310, -15.0410, 13.7830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.6520, -41.3170, 38.4510 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(34, 36, 161)` looks like.

```
.text, #text, p{  
    color:rgb(34, 36, 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(34, 36, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 36, 161) }
```

Border

The CSS property to change the border of an element to YIQ 49.6520, -41.3170, 38.4510 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(34, 36, 161) }
```


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

```
.border{ border-color:rgb(34, 36, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 36, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 36, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 36, 161);  
box-shadow:4px 4px 4px 4px rgb(34, 36,  
161) }
```

Background

The CSS property to change the background color of an element to YIQ 49.6520, -41.3170, 38.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 36, 161) }
```

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

```
.background{ background-color: rgb(34, 36,  
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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