

Converting Colors

YIQ(41.9940, -25.0850, 30.6190)

Have a look what the booklet for
YIQ(41.9940, -25.0850, 30.6190)
contains.

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Color

**YIQ(41.9940, -25.0850,
30.6190)**

Conversions

Conversions Part 1

Format	Color
Hex	251D7A
RGB	37, 29, 122
RGB Percent	15%, 11%, 48%
CMY	0.8548, 0.8863, 0.5217
CMYK	0.70, 0.76, 0.00, 0.52
HSL	245°, 62%, 30%
HSV	245°, 76%, 48%
XYZ	4.7131, 2.6763, 18.6663
YIQ	41.9940, -25.0850, 30.6190

Conversions

Conversions Part 2

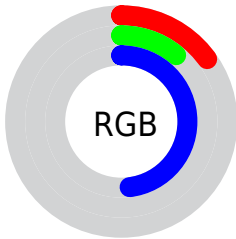
Format	Color
R_{YB}	37, 29, 122
Decimal	2432378
CIE _{Lab}	18.70, 34.13, -51.28
CIE _{LCh}	19, 61.601, 303.648
Yxy	2.6763, 0.1809, 0.1027
Android (android.graphics.Color)	4280622458 (0xFF251D7A)
YUV	41.9940, 39.4430, -4.3797
Hunter-Lab	16.3594, 22.7961, -56.1990

Details

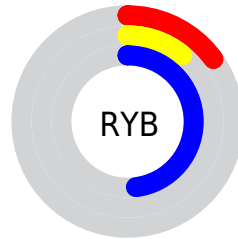
The YIQ color **41.9940, -25.0850, 30.6190** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **109.0060, 25.0850, -30.6190**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.7930, -19.9050, 35.8630**, and **8.2080, -23.1120, 22.3920** is the 20% darker color. If you saturate the color by 10%, you get **31.6610, -28.3410, 34.5630**, and if you desaturate by 10%, it is **52.3270, -21.8290, 26.6750**.

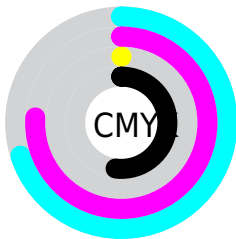
Distribution



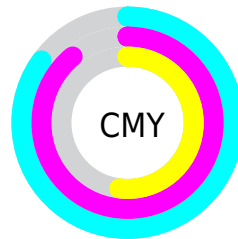
- Red (15%)
- Green (11%)
- Blue (48%)



- Red (15%)
- Yellow (11%)
- Blue (48%)



- Cyan (70%)
- Magenta (76%)
- Yellow (0%)
- Black (52%)



- Cyan (85%)
- Magenta (89%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 41.9940, -25.0850, 30.6190 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 41.9940, -25.0850, 30.6190 by changing the saturation by 10% instead.

■ 41.9940, -25.0850,
30.6190

■ 41.9940, -25.0850,
30.6190

■ 255.0000, -0.0000,
-0.0000

■ 15.6400, -33.0160,
25.6720

■ 91.7930, -19.9050,
35.8630

■ 8.2080, -23.1120,
22.3920

■ 117.7330,
-19.6760, 37.2200

■ 7.8200, -16.5080,
12.8360

■ 144.0860,
-19.1720, 39.1000

■ 3.6650, -8.9420,
7.8740

■ 170.6410,
-16.4210, 38.8030

■ 0.0000, 0.0000,
0.0000

■ 194.8620, -7.1580,
30.6180

■ 219.6810, 3.2970,

22.8570

242.0860, 6.0500,
11.5060

41.9940, -25.0850,
30.6190

41.9940, -25.0850,
30.6190

31.6610, -28.3410,
34.5630

52.3270, -21.8290,
26.6750

21.3280, -31.5970,
38.5070

62.6600, -18.5730,
22.7310

17.1970, -32.6060,
40.2740

73.5800, -15.5920,
18.2640

84.2120, -11.7400,
14.5320

94.5450, -8.4840,
10.5880

■ 104.8780, -5.2280,
6.6440

■ 115.2110, -1.9720,
2.7000

■ 126.1310, 1.0090,
-1.7670

■ 136.4640, 4.2650,
-5.7110

Harmonies

Analogous

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



45.6690, -58.3230, 16.2450



41.9940, -25.0850, 30.6190



39.4050, 31.3980, 47.7340

Triad

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



41.9940, -25.0850, 30.6190



40.1010, 45.2520, 5.8920



41.5070, -32.8250, -16.3530

Complementary

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



41.9940, -25.0850, 30.6190



109.0060, 25.0850, -30.6190

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.



34.6330, -16.2250, -30.8570



41.9940, -25.0850, 30.6190



42.8490, 18.9380, -12.8220

Square

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



41.9940, -25.0850, 30.6190



33.1890, 66.1560, 23.5320



32.8720, -15.4000, -29.2880



47.2240, -47.5450, -2.8810

Rectangle

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



41.9940, -25.0850, 30.6190



40.5840, 49.6470, 41.8950



32.8720, -15.4000, -29.2880



39.6830, -27.6890, -21.3290

Sweetspot

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



41.9940, -25.0850, 30.6190



127.0010, -9.7680, 11.8320



89.4970, -53.2280, -15.5320



60.1060, -5.8700, 7.2660



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



41.9940, -25.0850, 30.6190



34.3030, -38.4760, 47.5400



55.7480, 2.3310, 40.3710



55.9830, -1.3300, 2.0780



17.5390, -33.5690, 41.2070



35.3060, -67.7800, 83.0360

Inverse Universe

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



66.4970, 28.1430, 46.1510



72.1040, 43.4520, 71.5800



95.2520, -2.3310, -40.3710



57.4780, 1.6500, 3.1380



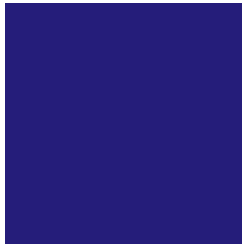
50.3710, 37.9060, 61.9540



101.6820, 76.0410, 125.2650

Previews

White Background



This preview shows how the YIQ color 41.9940, -25.0850, 30.6190 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 41.9940, -25.0850, 30.6190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

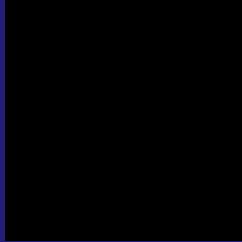
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 41.9940, -25.0850, 30.6190

Background



This preview shows how black text looks on a background with the YIQ color 41.9940, -25.0850, 30.6190.



This preview shows how white text looks on a background with the YIQ color 41.9940, -25.0850,

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

41.9940, -25.0850, 30.6190

Protanopia

37.1310, -42.5490, 5.6990

Deuteranopia

37.2960, -38.8800, -0.2240



Tritanopia

36.2070, -31.6800, -9.5680

Trichromacy



Original Color

41.9940, -25.0850, 30.6190

Protanomaly

38.6360, -36.3610, 14.7030

Deuteranomaly

38.7840, -34.0220, 10.8580

Tritanomaly

38.1340, -29.4360, 4.8360

Monochromacy



Original Color

41.9940, -25.0850, 30.6190

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

41.7730, -9.1260, 11.2100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 41.9940, -25.0850, 30.6190 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, 29, 122)` looks like.

```
.text, #text, p{  
    color:rgb(37, 29, 122)  
}
```

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, 29, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 29, 122) }
```

Border

The CSS property to change the border of an element to YIQ 41.9940, -25.0850, 30.6190 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, 29, 122) }
```


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

```
.border{ border-color:rgb(37, 29, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 29, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 29, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 29, 122); box-shadow:4px 4px 4px 4px rgb(37, 29, 122) }
```

Background

The CSS property to change the background color of an element to YIQ 41.9940, -25.0850, 30.6190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 29, 122) }
```

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

```
.background{ background-color: rgb(37, 29,  
122) }
```

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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