

Converting Colors

YIQ(37.4510, -18.9420, 34.9300)

Have a look what the booklet for
YIQ(37.4510, -18.9420, 34.9300)
contains.

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Color

**YIQ(37.4510, -18.9420,
34.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	291476
RGB	41, 20, 118
RGB Percent	16%, 8%, 46%
CMY	0.8391, 0.9216, 0.5374
CMYK	0.65, 0.83, 0.00, 0.54
HSL	253°, 71%, 27%
HSV	253°, 83%, 46%
XYZ	4.4333, 2.2791, 17.3338
YIQ	37.4510, -18.9420, 34.9300

Conversions

Conversions Part 2

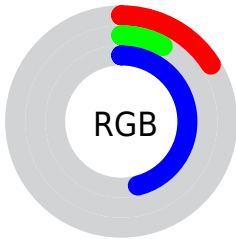
Format	Color
R_{YB}	41, 20, 118
Decimal	2692214
CIE _{Lab}	16.89, 38.22, -51.69
CIE _{LCh}	17, 64.287, 306.481
Yxy	2.2791, 0.1844, 0.0948
Android (android.graphics.Color)	4280882294 (0xFF291476)
YUV	37.4510, 39.7107, 3.1125
Hunter-Lab	15.0967, 25.9993, -57.5082

Details

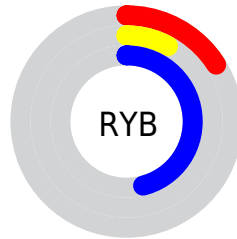
The YIQ color **37.4510, -18.9420, 34.9300** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **100.5490, 18.9420, -34.9300**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **88.1250, -14.9080, 38.9160**, and **7.7520, -21.8280, 21.1480** is the 20% darker color. If you saturate the color by 10%, you get **27.7160, -21.0060, 39.2980**, and if you desaturate by 10%, it is **47.1860, -16.8780, 30.5620**.

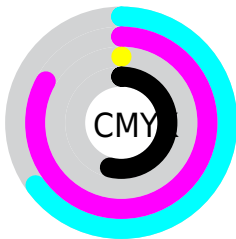
Distribution



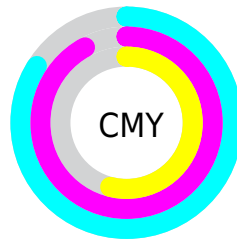
- Red (16%)
- Green (8%)
- Blue (46%)



- Red (16%)
- Yellow (8%)
- Blue (46%)



- Cyan (65%)
- Magenta (83%)
- Yellow (0%)
- Black (54%)



- Cyan (84%)
- Magenta (92%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.4510, -18.9420, 34.9300 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 37.4510, -18.9420, 34.9300 by changing the saturation by 10% instead.

■ 37.4510, -18.9420,
34.9300

■ 37.4510, -18.9420,
34.9300

■ 253.8260, 0.5500,
1.0460

■ 10.6020, -29.8530,
28.9230

■ 88.1250, -14.9080,
38.9160

■ 7.7520, -21.8280,
21.1480

■ 113.4780,
-14.4040, 40.7960

■ 6.8910, -15.2700,
12.4260

■ 139.7170,
-13.5790, 42.3650

■ 3.2090, -7.6580,
6.6300

■ 166.5430,
-13.0290, 43.4110

■ 0.0000, 0.0000,
0.0000

■ 191.0630, -3.1700,
35.4380

■ 215.5830, 6.6890,

27.4650

■ 236.8030, 8.5250,
16.2130

■ 37.4510, -18.9420,
34.9300

■ 37.4510, -18.9420,
34.9300

■ 27.7160, -21.0060,
39.2980

■ 47.1860, -16.8780,
30.5620

■ 20.9270, -22.9780,
41.9980

■ 57.2200, -14.2180,
26.4060

■ 66.3680, -11.8790,
22.5610

■ 76.1030, -9.8150,
18.1930

■ 85.8380, -7.7510,
13.8250

■ 95.8720, -5.0910,
9.6690

■ 105.6070, -3.0270,
5.3010

■ 114.7550, -0.6880,
1.4560

■ 124.4900, 1.3760,
-2.9120

Harmonies

Analogous

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



43.2070, -56.9020, 18.0260



37.4510, -18.9420, 34.9300



38.9060, 34.2410, 45.7690

Triad

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



37.4510, -18.9420, 34.9300



36.8340, 41.6300, 5.4540



39.8600, -32.3210, -14.4730

Complementary

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



37.4510, -18.9420, 34.9300



100.5490, 18.9420, -34.9300

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.



32.8720, -15.4000, -29.2880



37.4510, -18.9420, 34.9300



38.9840, 14.1240, -13.6840

Square

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



37.4510, -18.9420, 34.9300



31.6940, 63.1760, 22.4720



30.5240, -14.3000, -27.1960



45.1040, -47.0870, -0.1670

Rectangle

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



37.4510, -18.9420, 34.9300



39.3730, 51.6190, 39.1950



30.5240, -14.3000, -27.1960



37.4490, -26.9100, -18.9260

Sweetspot

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



37.4510, -18.9420, 34.9300



121.7240, -7.4300, 13.5140



76.9580, -52.9080, -10.3160



57.8180, -4.9990, 8.0010



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



37.4510, -18.9420, 34.9300



27.3090, -29.4450, 54.5790



51.8030, 9.6660, 45.1060



53.9830, -1.3300, 2.0780



21.6820, -23.6660, 43.4540



44.6460, -48.0660, 89.1980

Inverse Universe

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



58.0800, 33.6910, 44.7230



59.4270, 52.6680, 69.7560



86.1970, -9.6660, -45.1060



55.2500, 2.2920, 2.5160



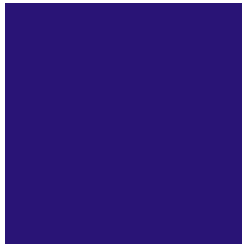
47.4220, 41.8960, 55.7200



97.0940, 86.0840, 113.9560

Previews

White Background



This preview shows how the YIQ color 37.4510, -18.9420, 34.9300 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 37.4510, -18.9420, 34.9300 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 37.4510, -18.9420, 34.9300

Background



This preview shows how black text looks on a background with the YIQ color 37.4510, -18.9420, 34.9300.



This preview shows how white text looks on a background with the YIQ color 37.4510, -18.9420,

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

37.4510, -18.9420, 34.9300

Protanopia

33.9850, -39.2020, 5.6140

Deuteranopia

34.2640, -35.8540, 0.0020



Tritanopia

33.9900, -29.5710, -9.2430

Trichromacy



Original Color

37.4510, -18.9420, 34.9300

Protanomaly

35.0280, -31.5930, 16.3990

Deuteranomaly

35.2900, -29.5750, 12.8650

Tritanomaly

35.3410, -25.5850, 6.6310

Monochromacy



Original Color

37.4510, -18.9420, 34.9300

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.0830, -7.0630, 12.3690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.4510, -18.9420, 34.9300 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(41, 20, 118)` looks like.

```
.text, #text, p{  
    color:rgb(41, 20, 118)  
}
```

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(41, 20, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 20, 118) }
```

Border

The CSS property to change the border of an element to YIQ 37.4510, -18.9420, 34.9300 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(41, 20, 118) }
```


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

```
.border{ border-color:rgb(41, 20, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 20, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 20, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 20, 118);  
box-shadow:4px 4px 4px 4px rgb(41, 20,  
118) }
```

Background

The CSS property to change the background color of an element to YIQ 37.4510, -18.9420, 34.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 20, 118) }
```

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

```
.background{ background-color: rgb(41, 20,  
118) }
```

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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