

Converting Colors

YIQ(31.9150, 2.5180, 20.4540)

Have a look what the booklet for
YIQ(31.9150, 2.5180, 20.4540)
contains.

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Color

**YIQ(31.9150, 2.5180,
20.4540)**

Conversions

Conversions Part 1	
Format	Color
Hex	2F1240
RGB	47, 18, 64
RGB Percent	18%, 7%, 25%
CMY	0.8156, 0.9295, 0.7490
CMYK	0.27, 0.72, 0.00, 0.75
HSL	278°, 56%, 16%
HSV	278°, 72%, 25%
XYZ	2.3148, 1.4072, 4.9991
YIQ	31.9150, 2.5180, 20.4540

Conversions

Conversions Part 2

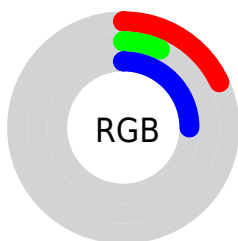
Format	Color
RYB	47, 18, 64
Decimal	3084864
CIELab	12.01, 24.22, -23.33
CIELCh	12, 33.626, 316.068
Yxy	1.4072, 0.2654, 0.1614
Android (android.graphics.Color)	4281274944 (0xFF2F1240)
YUV	31.9150, 15.8179, 13.2295
Hunter-Lab	11.8627, 14.0710, -16.6818

Details

The YIQ color **31.9150, 2.5180, 20.4540** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **50.0850, -2.5180, -20.4540**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **77.5670, 3.6180, 22.5460**, and **2.8670, -6.6950, 5.6970** is the 20% darker color. If you saturate the color by 10%, you get **27.7950, 2.9760, 23.1680**, and if you desaturate by 10%, it is **36.0350, 2.0600, 17.7400**.

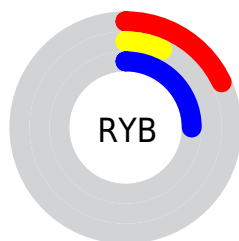
Distribution



Red (18%)

Green (7%)

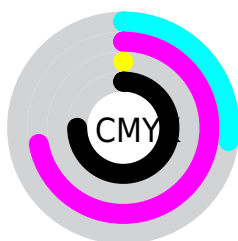
Blue (25%)



Red (18%)

Yellow (7%)

Blue (25%)

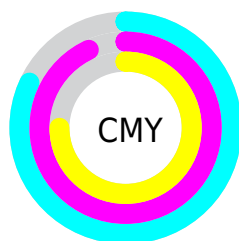


Cyan (27%)

Magenta (72%)

Yellow (0%)

Black (75%)



Cyan (82%)


Magenta (93%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 31.9150, 2.5180, 20.4540 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 31.9150, 2.5180, 20.4540 by changing the saturation by 10% instead.


 31.9150, 2.5180,
20.4540


 31.9150, 2.5180,
20.4540

 250.3040, 2.2000,
4.1840

 13.1600, 3.2060,
18.9980

 77.5670, 3.6180,
22.5460


 2.8670, -6.6950,
5.6970

 102.0940, 3.5720,
23.3800

 0.0000, 0.0000,
0.0000


 127.5070, 3.8470,
23.9030


 153.3330, 4.3970,
24.9490


 180.7460, 4.6720,
25.4720


 208.2730, 4.6260,

26.3060


 233.2810, 10.1750,
19.3510


 31.9150, 2.5180,
20.4540

 31.9150, 2.5180,
20.4540


 27.7950, 2.9760,
23.1680


 36.0350, 2.0600,
17.7400


 22.7890, 3.1130,
26.1930

 41.0410, 1.9230,
14.7150

 19.2560, 3.2960,
28.3840

 45.1610, 1.4650,
12.0010

 49.8680, 0.7320,
8.7640

 54.2870, 0.8700,
6.2620

■ 58.4070, 0.4120,
3.5480

■ 63.4130, 0.2750,
0.5230

■ 67.5330, -0.1830,
-2.1910

■ 72.2400, -0.9160,
-5.4280

Harmonies

Analogous

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



26.3880, -32.9670, 8.2570



31.9150, 2.5180, 20.4540



26.3970, 24.7080, 25.7960

Triad

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



31.9150, 2.5180, 20.4540



30.5000, 21.7790, -3.7330



29.6700, -25.6740, -8.2820

Complementary

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



31.9150, 2.5180, 20.4540



50.0850, -2.5180, -20.4540

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.



26.2330, -17.3740, -15.5340



31.9150, 2.5180, 20.4540



28.6290, 7.9340, -11.6340

Square

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



31.9150, 2.5180, 20.4540



27.3540, 34.2940, 6.2460



22.8930, -10.7250, -20.3970



31.4770, -32.1400, -1.2280

Rectangle

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



31.9150, 2.5180, 20.4540



24.4210, 33.3280, 23.7600



22.8930, -10.7250, -20.3970



28.7580, -23.1060, -10.7700

Sweetspot

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



31.9150, 2.5180, 20.4540



71.3410, 0.7780, 7.9300



33.8100, -19.7160, 4.8920



35.3470, 0.6410, 4.9050



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



31.9150, 2.5180, 20.4540



33.6630, 3.7080, 31.9320



36.4280, 14.2550, 22.5030



30.9400, 0.2290, 1.3570



29.2970, 5.2190, 43.0990



67.9940, 12.7280, 99.7680

Inverse Universe

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



33.6920, 21.9590, 15.0390



36.4920, 34.5660, 23.3500



45.5720, -14.2550, -22.5030



31.0110, 1.4670, 0.9470



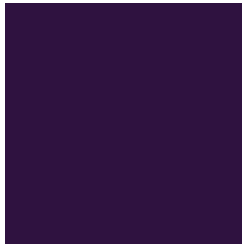
33.1070, 46.2560, 31.7600



76.4380, 106.8610, 73.3010

Previews

White Background



This preview shows how the YIQ color 31.9150, 2.5180, 20.4540 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 31.9150, 2.5180, 20.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

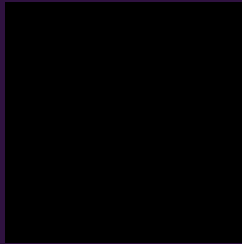
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.9150, 2.5180, 20.4540

Background



This preview shows how black text looks on a background with the YIQ color 31.9150, 2.5180, 20.4540.



This preview shows how white text looks on a background with the YIQ color 31.9150, 2.5180,

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

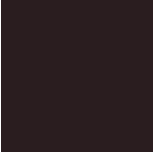
31.9150, 2.5180, 20.4540

Protanopia

26.4220, -30.3070, 4.1010

Deuteranopia

26.0970, -28.0140, 1.0900



Tritanopia

33.1150, 7.1060, 3.3780

Trichromacy



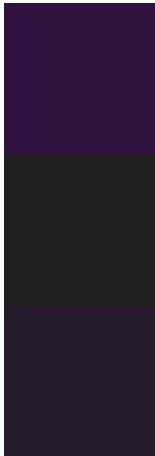
Original Color
31.9150, 2.5180, 20.4540

Protanomaly
28.4560, -18.4790, 10.0090

Deuteranomaly
28.4730, -17.1490, 7.9310

Tritanomaly
32.7330, 5.5460, 9.6260

Monochromacy



Original Color
31.9150, 2.5180, 20.4540

Achromatopsia
32.0000, -0.0000, -0.0000

Achromatomaly
31.9280, 0.5030, 7.4070

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.9150, 2.5180, 20.4540 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(47, 18, 64)` looks like.

```
.text, #text, p{  
    color:rgb(47, 18, 64)  
}
```

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(47, 18, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 18, 64) }
```

Border

The CSS property to change the border of an element to YIQ 31.9150, 2.5180, 20.4540 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(47, 18, 64) }
```


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

```
.border{ border-color:rgb(47, 18, 64) }
```

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

Here you see how a box with a 4 pixel rgb(47, 18, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 18, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 18, 64);  
box-shadow:4px 4px 4px 4px rgb(47, 18, 64)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.9150, 2.5180, 20.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 18, 64) }
```

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

```
.background{ background-color: rgb(47, 18,  
64) }
```

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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