

Converting Colors

YIQ(54.4960, -23.9830, 21.6570)

Have a look what the booklet for
YIQ(54.4960, -23.9830, 21.6570)
contains.

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Color

**YIQ(54.4960, -23.9830,
21.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	2D2F76
RGB	45, 47, 118
RGB Percent	18%, 18%, 46%
CMY	0.8235, 0.8157, 0.5374
CMYK	0.62, 0.60, 0.00, 0.54
HSL	238°, 45%, 32%
HSV	238°, 62%, 46%
XYZ	5.3669, 3.8983, 17.5972
YIQ	54.4960, -23.9830, 21.6570

Conversions

Conversions Part 2

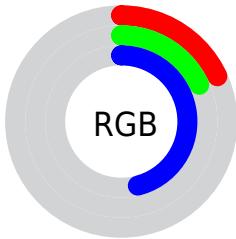
Format	Color
R_{YB}	45, 47, 118
Decimal	2961270
CIE Lab	23.33, 22.29, -41.13
CIE LCh	23, 46.777, 298.453
Yxy	3.8983, 0.1998, 0.1451
Android (android.graphics.Color)	4281151350 (0xFF2D2F76)
YUV	54.4960, 31.3075, -8.3280
Hunter-Lab	19.7442, 13.9681, -39.0219

Details

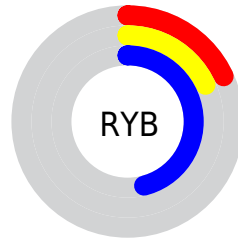
The YIQ color **54.4960, -23.9830, 21.6570** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **108.5040, 23.9830, -21.6570**, and the grayscale version is **54.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **103.6860, -21.4620, 25.5300**, and **9.0400, -22.6990, 20.4130** is the 20% darker color. If you saturate the color by 10%, you get **44.4510, -28.1100, 24.8660**, and if you desaturate by 10%, it is **64.5410, -19.8560, 18.4480**.

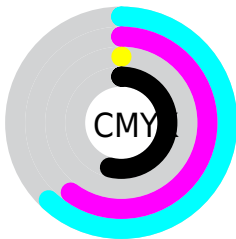
Distribution



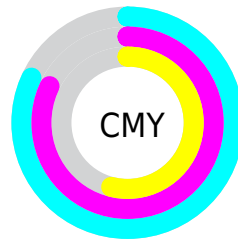
- Red (18%)
- Green (18%)
- Blue (46%)



- Red (18%)
- Yellow (18%)
- Blue (46%)



- Cyan (62%)
- Magenta (60%)
- Yellow (0%)
- Black (54%)



- Cyan (82%)
- Magenta (82%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 54.4960, -23.9830, 21.6570 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 54.4960, -23.9830, 21.6570 by changing the saturation by 10% instead.

■ 54.4960, -23.9830,
21.6570

■ 54.4960, -23.9830,
21.6570

■ 255.0000, -0.0000,
-0.0000

■ 29.7510, -29.2550,
18.0810

■ 103.6860,
-21.4620, 25.5300

■ 9.0400, -22.6990,
20.4130

■ 129.2130,
-21.5080, 26.3640

■ 7.0050, -15.5910,
12.7370

■ 155.5660,
-21.0040, 28.2440

■ 3.3230, -7.9790,
6.9410

■ 182.6800,
-21.3250, 28.5550

■ 0.0000, 0.0000,
0.0000

■ 207.2000,
-11.4660, 20.5820

■ 232.3070, -1.8820,

12.0860

254.4130, 0.2750,
0.5230

■ 54.4960, -23.9830,
21.6570

■ 54.4960, -23.9830,
21.6570

■ 44.4510, -28.1100,
24.8660

■ 64.5410, -19.8560,
18.4480

■ 33.8190, -31.9620,
28.5980

■ 75.1730, -16.0040,
14.7160

■ 24.0730, -35.4930,
32.0190

■ 84.9190, -12.4730,
11.2950

■ 15.2130, -38.7030,
35.1290

■ 95.5510, -8.6210,
7.5630

■ 105.5960, -4.4940,
4.3540

■ 116.2280, -0.6420,
0.6220

■ 126.2730, 3.4850,
-2.5870

■ 136.6060, 6.7410,
-6.5310

■ 146.6510, 10.8680,
-9.7400

Harmonies

Analogous

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



50.2850, -57.5420, 7.5940



54.4960, -23.9830, 21.6570



53.3830, 19.2960, 35.7760

Triad

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



54.4960, -23.9830, 21.6570



51.3090, 47.3620, 0.6900



47.1320, -36.2630, -20.1270

Complementary

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



54.4960, -23.9830, 21.6570



108.5040, 23.9830, -21.6570

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.



41.6260, -23.5150, -30.8990



54.4960, -23.9830, 21.6570



52.9270, 27.4660, -13.1900

Square

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



54.4960, -23.9830, 21.6570



45.4420, 55.1980, 23.8860



48.0440, 4.7270, -25.1050



51.1220, -47.4980, -9.2420

Rectangle

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



54.4960, -23.9830, 21.6570



45.0930, 40.8440, 41.7400



48.0440, 4.7270, -25.1050



45.0630, -31.8150, -23.6470

Sweetspot

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



54.4960, -23.9830, 21.6570



127.8930, -9.5840, 8.4960



95.9450, -42.8660, -16.0980



61.0520, -5.7780, 5.5980



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.



54.4960, -23.9830, 21.6570



54.6430, -37.0980, 33.5740



63.4880, -3.1690, 29.9110



53.6840, -1.9260, 1.8660



15.6690, -39.9870, 36.3730



32.6090, -82.1750, 74.0890

Inverse Universe

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



67.0550, 42.8660, 16.0980



74.1290, 66.3850, 24.8890



99.5120, 3.1690, -29.9110



54.7940, 3.5760, 1.2720



36.8200, 71.7490, 26.7970



75.5480, 146.7530, 55.1770

Previews

White Background



This preview shows how the YIQ color 54.4960, -23.9830, 21.6570 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 54.4960, -23.9830, 21.6570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

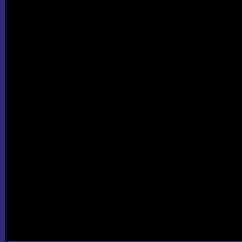
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 54.4960, -23.9830, 21.6570

Background



This preview shows how black text looks on a background with the YIQ color 54.4960, -23.9830, 21.6570.



This preview shows how white text looks on a background with the YIQ color 54.4960, -23.9830,

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

54.4960, -23.9830, 21.6570

Protanopia

44.6940, -51.4440, 7.2120

Deuteranopia

44.6310, -47.1330, 0.6670



Tritanopia

48.7130, -27.2330, -7.5610

Trichromacy



Original Color

54.4960, -23.9830, 21.6570

Protanomaly

47.8310, -41.4040, 12.4840

Deuteranomaly

47.8650, -38.7440, 8.3280

Tritanomaly

50.9340, -25.9970, 3.0830

Monochromacy



Original Color

54.4960, -23.9830, 21.6570

Achromatopsia

54.0000, -0.0000, 0.0000

Achromatomaly

53.9640, -8.3460, 8.0860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 54.4960, -23.9830, 21.6570 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(45, 47, 118)` looks like.

```
.text, #text, p{  
    color:rgb(45, 47, 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(45, 47, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 47, 118) }
```

Border

The CSS property to change the border of an element to YIQ 54.4960, -23.9830, 21.6570 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(45, 47, 118) }
```


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

```
.border{ border-color:rgb(45, 47, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 47, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 47, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 47, 118);  
box-shadow:4px 4px 4px 4px rgb(45, 47,  
118) }
```

Background

The CSS property to change the background color of an element to YIQ 54.4960, -23.9830, 21.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 47, 118) }
```

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

```
.background{ background-color: rgb(45, 47,  
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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