

Converting Colors

YIQ(49.6450, -40.5800, 19.5800)

Have a look what the booklet for
YIQ(49.6450, -40.5800, 19.5800)
contains.

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Color

**YIQ(49.6450, -40.5800,
19.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	173080
RGB	23, 48, 128
RGB Percent	9%, 19%, 50%
CMY	0.9098, 0.8117, 0.4983
CMYK	0.82, 0.62, 0.00, 0.50
HSL	226°, 70%, 30%
HSV	226°, 82%, 50%
XYZ	5.3032, 3.8539, 20.8668
YIQ	49.6450, -40.5800, 19.5800

Conversions

Conversions Part 2

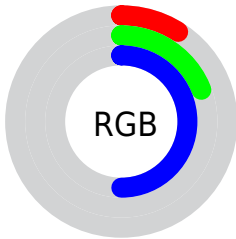
Format	Color
R_{YB}	23, 43, 128
Decimal	1519744
CIE _{Lab}	23.18, 22.17, -47.75
CIE _{LCh}	23, 52.648, 294.904
Yxy	3.8539, 0.1766, 0.1284
Android (android.graphics.Color)	4279709824 (0xFF173080)
YUV	49.6450, 38.6290, -23.3677
Hunter-Lab	19.6314, 13.8649, -49.2791

Details

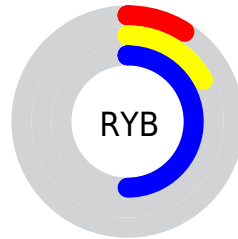
The YIQ color **49.6450, -40.5800, 19.5800** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **101.3550, 40.5800, -19.5800**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.6400, -33.0160, 25.6720**, and **11.2400, -26.1380, 22.1660** is the 20% darker color. If you saturate the color by 10%, you get **39.8880, -45.5780, 22.0540**, and if you desaturate by 10%, it is **59.4020, -35.5820, 17.1060**.

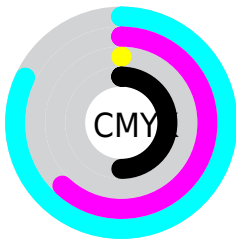
Distribution



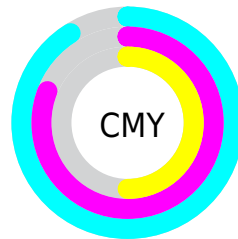
- Red (9%)
- Green (19%)
- Blue (50%)



- Red (9%)
- Yellow (17%)
- Blue (50%)



- Cyan (82%)
- Magenta (62%)
- Yellow (0%)
- Black (50%)



- Cyan (91%)
- Magenta (81%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.6450, -40.5800, 19.5800 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 49.6450, -40.5800, 19.5800 by changing the saturation by 10% instead.

■ 49.6450, -40.5800,
19.5800

■ 49.6450, -40.5800,
19.5800

■ 255.0000, -0.0000,
-0.0000

■ 28.0640, -40.4420,
17.0780

■ 101.6400,
-33.0160, 25.6720

■ 11.2400, -26.1380,
22.1660

■ 127.2920,
-31.9160, 27.7640

■ 9.0910, -18.7090,
14.1790

■ 154.1180,
-31.3660, 28.8100

■ 4.8220, -10.8220,
8.9060

■ 179.6900,
-27.2850, 26.4350

■ 0.4560, -1.2840,
1.2440

■ 204.7970,
-17.7010, 17.9390

■ 0.0000, 0.0000,
0.0000

■ 229.9040, -8.1170,

9.4430

254.4130, 0.2750,
0.5230

■ 49.6450, -40.5800,
19.5800

■ 49.6450, -40.5800,
19.5800

■ 39.8880, -45.5780,
22.0540

■ 59.4020, -35.5820,
17.1060

■ 32.2020, -49.3380,
24.1180

■ 69.1590, -30.5840,
14.6320

■ 78.0300, -25.9070,
12.4690

■ 87.7870, -20.9090,
9.9950

■ 97.5440, -15.9110,
7.5210

■ 106.7140,
-10.6380, 5.5700

■ 116.4710, -5.6400,
3.0960

■ 125.9290, -1.2380,
0.4100

■ 135.6860, 3.7600,
-2.0640

Harmonies

Analogous

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



52.3710, -60.6600, 9.0360



49.6450, -40.5800, 19.5800



51.9470, 17.8280, 40.3560

Triad

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



49.6450, -40.5800, 19.5800



49.5810, 52.5880, 5.1000



46.4480, -34.3370, -21.9930

Complementary

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



49.6450, -40.5800, 19.5800



101.3550, 40.5800, -19.5800

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.



39.9160, -18.7000, -35.5640



49.6450, -40.5800, 19.5800



52.9490, 30.4000, -11.2960

Square

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



49.6450, -40.5800, 19.5800



38.4310, 62.8990, 33.0030



48.0440, 4.7270, -25.1050



51.7090, -47.7730, -9.7650

Rectangle

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



49.6450, -40.5800, 19.5800



42.5650, 42.6310, 47.9030



48.0440, 4.7270, -25.1050



44.8520, -29.8430, -26.3470

Sweetspot

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



49.6450, -40.5800, 19.5800



134.6580, -16.2320, 7.8320



93.6410, -54.2340, -30.3460



65.3720, -9.6750, 4.6370



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



49.6450, -40.5800, 19.5800



44.4750, -63.0480, 30.2960



42.7440, -18.2090, 38.1670



58.9720, -2.7970, 1.1310



32.2020, -49.3380, 24.1180



0.0000, 0.0000, 0.0000

Inverse Universe

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



57.2450, 54.5550, 30.0350



56.1830, 84.6290, 46.6850



108.2560, 18.2090, -38.1670



59.3210, 3.5300, 2.1060



41.6920, 66.6580, 36.4660



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 49.6450, -40.5800, 19.5800 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 49.6450, -40.5800, 19.5800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

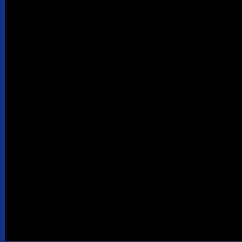
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.6450, -40.5800, 19.5800

Background



This preview shows how black text looks on a background with the YIQ color 49.6450, -40.5800, 19.5800.



This preview shows how white text looks on a background with the YIQ color 49.6450, -40.5800, 19.5800.

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

49.6450, -40.5800, 19.5800

Protanopia

43.9930, -50.8480, 7.4240

Deuteranopia

44.5170, -46.8120, 0.3560



Tritanopia

43.8040, -37.9150, -12.2110

Trichromacy



Original Color

49.6450, -40.5800, 19.5800

Protanomaly

45.7810, -47.1350, 11.7210

Deuteranomaly

46.4020, -44.7500, 7.0420

Tritanomaly

45.8830, -39.1550, -0.7470

Monochromacy



Original Color

49.6450, -40.5800, 19.5800

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.6150, -14.6730, 7.1110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.6450, -40.5800, 19.5800 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(23, 48, 128)` looks like.

```
.text, #text, p{  
    color:rgb(23, 48, 128)  
}
```

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(23, 48, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 48, 128) }
```

Border

The CSS property to change the border of an element to YIQ 49.6450, -40.5800, 19.5800 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(23, 48, 128) }
```


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

```
.border{ border-color:rgb(23, 48, 128) }
```

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

Here you see how a box with a 4 pixel rgb(23, 48, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 48, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 48, 128);  
box-shadow:4px 4px 4px 4px rgb(23, 48,  
128) }
```

Background

The CSS property to change the background color of an element to YIQ 49.6450, -40.5800, 19.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 48, 128) }
```

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

```
.background{ background-color: rgb(23, 48,  
128) }
```

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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