

Converting Colors

YIQ(103.0730, -52.6880,
40.7840)

Have a look what the booklet for
YIQ(103.0730, -52.6880, 40.7840)
contains.

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Color

**YIQ(103.0730, -52.6880,
40.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	4E5BE7
RGB	78, 91, 231
RGB Percent	31%, 36%, 91%
CMY	0.6940, 0.6431, 0.0944
CMYK	0.66, 0.61, 0.00, 0.09
HSL	235°, 76%, 61%
HSV	235°, 66%, 91%
XYZ	21.2970, 14.8684, 77.2888
YIQ	103.0730, -52.6880, 40.7840

Conversions

Conversions Part 2

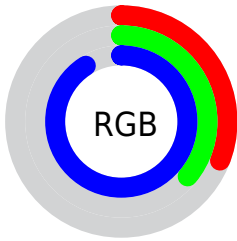
Format	Color
R _Y B	78, 90, 231
Decimal	5135335
CIE Lab	45.45, 38.80, -72.45
CIE LCh	45, 82.191, 298.172
Yxy	14.8684, 0.1877, 0.1311
Android (android.graphics.Color)	4283325415 (0xFF4E5BE7)
YUV	103.0730, 63.0680, -21.9890
Hunter-Lab	38.5596, 31.1088, -91.8490

Details

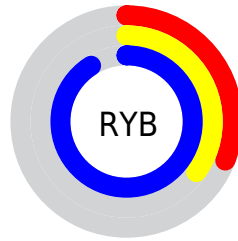
The YIQ color **103.0730, -52.6880, 40.7840** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **205.9270, 52.6880, -40.7840**, and the grayscale version is **102.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **154.5940, -35.4020, 35.8780**, and **46.2510, -68.2290, 30.5790** is the 20% darker color. If you saturate the color by 10%, you get **83.8690, -60.6210, 46.8910**, and if you desaturate by 10%, it is **122.2770, -44.7550, 34.6770**.

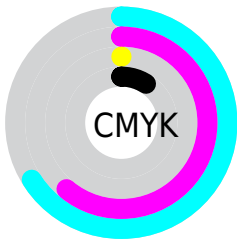
Distribution



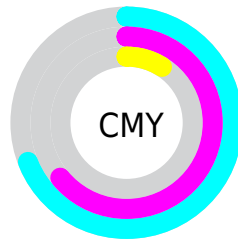
- Red (31%)
- Green (36%)
- Blue (91%)



- Red (31%)
- Yellow (35%)
- Blue (91%)



- Cyan (66%)
- Magenta (61%)
- Yellow (0%)
- Black (9%)



- Cyan (69%)
- Magenta (64%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 103.0730, -52.6880, 40.7840 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 103.0730, -52.6880, 40.7840 by changing the saturation by 10% instead.

■ 103.0730,
-52.6880, 40.7840

■ 103.0730,
-52.6880, 40.7840

■ 255.0000, -0.0000,
-0.0000

■ 73.7080, -62.0860,
34.8900

■ 154.5940,
-35.4020, 35.8780

■ 46.2510, -68.2290,
30.5790

■ 179.4130,
-24.9470, 28.1170

■ 31.4330, -54.0620,
32.6420

■ 204.5310,
-13.8960, 20.5680

■ 17.7890, -40.4450,
33.6590

■ 230.2360, -3.1200,
12.4960

■ 10.7160, -30.1740,
29.2340

■ 253.2390, 0.8250,
1.5690

■ 12.6760, -24.6700,
17.5860

■ 7.5920, -15.8660,

12.2140

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,
0.0000

■ 103.0730,
-52.6880, 40.7840

■ 103.0730,
-52.6880, 40.7840

■ 83.8690, -60.6210,
46.8910

■ 122.2770,
-44.7550, 34.6770

■ 64.6650, -68.5540,
52.9980

■ 141.4810,
-36.8220, 28.5700

■ 45.4610, -76.4870,
59.1050

■ 160.6850,
-28.8890, 22.4630

■ 38.0740, -79.6510,
61.3810

■ 180.4760,
-21.2310, 15.8330

■ 199.6800,
-13.2980, 9.7260

■ 219.1830, -4.7690,
3.8310

■ 238.3870, 3.1640,
-2.2760

■ 252.2640, 7.7040,
-7.4640

Harmonies

Analogous

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



98.1250, -112.3330, 14.8910



103.0730, -52.6880, 40.7840



98.5320, 39.3710, 73.9550

Triad

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



103.0730, -52.6880, 40.7840



97.2910, 91.3310, 2.2990



90.1720, -69.2710, -38.6710

Complementary

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



103.0730, -52.6880, 40.7840



205.9270, 52.6880, -40.7840

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.



79.4050, -43.0870, -61.6710



103.0730, -52.6880, 40.7840



101.4130, 51.8600, -25.7720

Square

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



103.0730, -52.6880, 40.7840



70.3550, 113.9240, 60.9320



91.3480, 5.7860, -49.8140



98.7390, -92.0160, -17.4240

Rectangle

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



103.0730, -52.6880, 40.7840



79.1200, 82.0540, 87.8620



91.3480, 5.7860, -49.8140



87.4360, -61.5670, -46.1350

Sweetspot

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



103.0730, -52.6880, 40.7840



212.1620, -17.4710, 13.7690



183.5430, -86.3730, -37.1010



101.7080, -10.5010, 8.5950



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



103.0730, -52.6880, 40.7840



86.8930, -69.1960, 53.6200



113.6810, -12.7570, 60.5150



104.9550, -4.1270, 3.2090



29.2110, -61.5840, 47.8240



8.1620, -17.4710, 13.7690

Inverse Universe

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



125.2290, 87.0150, 36.4790



116.0370, 114.3390, 47.8990



195.3190, 12.7570, -60.5150



106.7020, 6.8310, 2.8550



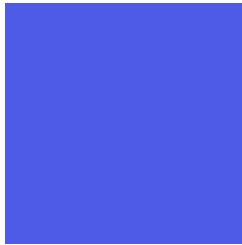
55.2310, 101.8690, 42.6130



15.7050, 29.1120, 12.0560

Previews

White Background



This preview shows how the YIQ color 103.0730, -52.6880, 40.7840 looks on a white background.

Color Contrast Check

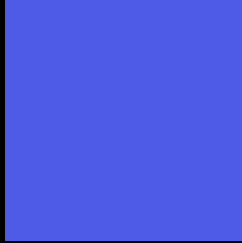
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 103.0730, -52.6880, 40.7840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

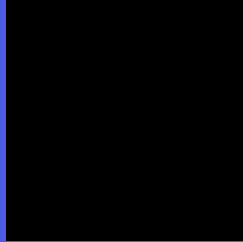
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 103.0730, -52.6880, 40.7840

Background



This preview shows how black text looks on a background with the YIQ color 103.0730, -52.6880, 40.7840.



This preview shows how white text looks on a background with the YIQ color 103.0730, -52.6880,

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

103.0730, -52.6880, 40.7840

Protanopia

85.3130, -98.3030, 13.9290

Deuteranopia

86.0020, -90.5980, 0.9380



Tritanopia

84.4450, -73.8130, -22.4290

Trichromacy



Original Color

103.0730, -52.6880, 40.7840

Protanomaly

91.9070, -82.1200, 23.5120

Deuteranomaly

92.0890, -77.1210, 15.5110

Tritanomaly

91.1650, -66.2520, 0.2440

Monochromacy



Original Color

103.0730, -52.6880, 40.7840

Achromatopsia

103.0000, -0.0000, 0.0000

Achromatomaly

103.3190, -19.3510, 14.8010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 103.0730, -52.6880, 40.7840 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(78, 91, 231)` looks like.

```
.text, #text, p{  
    color:rgb(78, 91, 231)  
}
```

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(78, 91, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 91, 231) }
```

Border

The CSS property to change the border of an element to YIQ 103.0730, -52.6880, 40.7840 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(78, 91, 231) }
```


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

```
.border{ border-color:rgb(78, 91, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 91, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 91, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 91, 231);  
box-shadow:4px 4px 4px 4px rgb(78, 91,  
231) }
```

Background

The CSS property to change the background color of an element to YIQ 103.0730, -52.6880, 40.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 91, 231) }
```

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

```
.background{ background-color: rgb(78, 91,  
231) }
```

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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