

Converting Colors

YIQ(47.5010, -56.7690, 43.1590)

Have a look what the booklet for
YIQ(47.5010, -56.7690, 43.1590)
contains.

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Color

**YIQ(47.5010, -56.7690,
43.1590)**

Conversions

Conversions Part 1

Format	Color
Hex	1423B8
RGB	20, 35, 184
RGB Percent	8%, 14%, 72%
CMY	0.9214, 0.8627, 0.2788
CMYK	0.89, 0.81, 0.00, 0.28
HSL	235°, 80%, 40%
HSV	235°, 89%, 72%
XYZ	9.5326, 4.8084, 45.7253
YIQ	47.5010, -56.7690, 43.1590

Conversions

Conversions Part 2

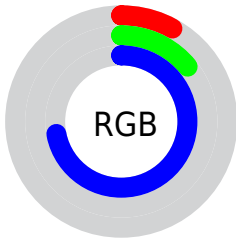
Format	Color
RYB	20, 34, 184
Decimal	1319864
CIELab	26.18, 50.49, -77.04
CIElCh	26, 92.114, 303.238
Yxy	4.8084, 0.1587, 0.0801
Android (android.graphics.Color)	4279509944 (0xFF1423B8)
YUV	47.5010, 67.2940, -24.1184
Hunter-Lab	21.9280, 39.2242, -108.2847

Details

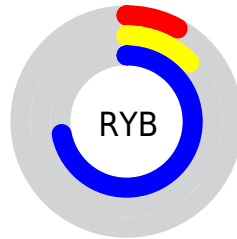
The YIQ color **47.5010, -56.7690, 43.1590** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **156.4990, 56.7690, -43.1590**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.9920, -38.7980, 53.3780**, and **14.7060, -41.4090, 40.1190** is the 20% darker color. If you saturate the color by 10%, you get **32.1400, -62.8220, 48.2340**, and if you desaturate by 10%, it is **62.8620, -50.7160, 38.0840**.

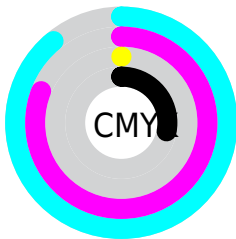
Distribution



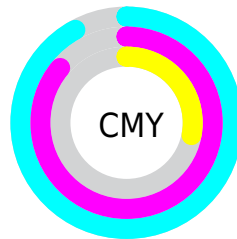
- Red (8%)
- Green (14%)
- Blue (72%)



- Red (8%)
- Yellow (13%)
- Blue (72%)



- Cyan (89%)
- Magenta (81%)
- Yellow (0%)
- Black (28%)



- Cyan (92%)
- Magenta (86%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.5010, -56.7690, 43.1590 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 47.5010, -56.7690, 43.1590 by changing the saturation by 10% instead.

■ 47.5010, -56.7690,
43.1590

■ 47.5010, -56.7690,
43.1590

■ 255.0000, -0.0000,
-0.0000

■ 24.2410, -53.1010,
42.7630

■ 106.9920,
-38.7980, 53.3780

■ 14.7060, -41.4090,
40.1190

■ 132.5320,
-31.6910, 51.2290

■ 11.7420, -33.0630,
32.0330

■ 157.0630,
-20.3650, 44.2030

■ 14.7620, -27.7880,
19.0280

■ 181.5940, -9.0390,
37.1770

■ 9.0910, -18.7090,
14.1790

■ 207.0000, 1.1410,
28.8930


■ 4.8220, -10.8220,
8.9060


■ 232.1070, 10.7250,


■ 0.4560, -1.2840,


20.3970


1.2440


 249.1300, 2.7500,
5.2300


 0.0000, 0.0000,
0.0000


 47.5010, -56.7690,
43.1590


 47.5010, -56.7690,
43.1590


 32.1400, -62.8220,
48.2340


 62.8620, -50.7160,
38.0840

 30.9550, -63.7390,
48.3330

 77.9350, -43.7920,
33.7440

 93.2960, -37.7390,
28.6690

 108.9560,
-31.0900, 23.8060

 124.3170,
-25.0370, 18.7310

■ 139.0910,
-18.7090, 14.1790

■ 154.7510,
-12.0600, 9.3160

■ 170.1120, -6.0070,
4.2410

■ 185.1850, 0.9170,
-0.0990

Harmonies

Analogous

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



66.6770, -87.1640, 26.8200



47.5010, -56.7690, 43.1590



57.5340, 45.0570, 70.0250

Triad

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



47.5010, -56.7690, 43.1590



49.9900, 67.8540, 14.7820



57.0600, -44.9280, -22.7840

Complementary

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



47.5010, -56.7690, 43.1590



156.4990, 56.7690, -43.1590

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.



47.5470, -22.2750, -42.3630



47.5010, -56.7690, 43.1590



57.9110, 24.3950, -18.1090

Square

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



47.5010, -56.7690, 43.1590



47.8400, 95.3600, 33.9200



45.1990, -21.1750, -40.2710



66.3280, -68.2690, -1.7490

Rectangle

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



47.5010, -56.7690, 43.1590



59.4660, 74.1270, 60.8070



45.1990, -21.1750, -40.2710



53.6230, -36.6280, -30.0360

Sweetspot

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



47.5010, -56.7690, 43.1590



185.9320, -22.5150, 17.0770



133.1400, -92.6080, -39.7440



87.7940, -13.6190, 10.0370



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000

Same Dimension

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



47.5010, -56.7690, 43.1590



40.2740, -83.0900, 63.1340



58.4300, -13.3080, 64.9960



84.0260, -2.8890, 2.7990



26.0020, -53.9260, 41.1940



4.9530, -9.8130, 7.1390

Inverse Universe

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



70.7460, 92.9290, 39.4330



74.2680, 135.9780, 57.7220



145.5700, 13.3080, -64.9960



85.6910, 5.3640, 1.9080



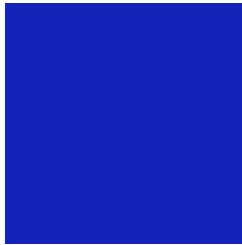
48.2400, 88.4820, 37.4260



8.7140, 15.7250, 6.8690

Previews

White Background



This preview shows how the YIQ color 47.5010, -56.7690, 43.1590 looks on a white background.

Color Contrast Check

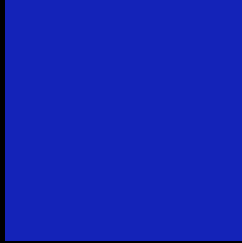
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.5010, -56.7690, 43.1590 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 47.5010, -56.7690, 43.1590

Background



This preview shows how black text looks on a background with the YIQ color 47.5010, -56.7690, 43.1590.



This preview shows how white text looks on a background with the YIQ color 47.5010, -56.7690,

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

47.5010, -56.7690, 43.1590

Protanopia

49.5840, -56.9460, 7.8060

Deuteranopia

49.7660, -51.9470, -0.1950



Tritanopia

48.8250, -42.4080, -13.3840

Trichromacy



Original Color

47.5010, -56.7690, 43.1590

Protanomaly

48.7880, -57.0400, 20.5280

Deuteranomaly

48.5940, -53.7380, 15.7500

Tritanomaly

48.4340, -47.7760, 6.8160

Monochromacy



Original Color

47.5010, -56.7690, 43.1590

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

47.3620, -20.9100, 15.5220

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.5010, -56.7690, 43.1590 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(20, 35, 184)` looks like.

```
.text, #text, p{  
    color:rgb(20, 35, 184)  
}
```

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(20, 35, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 35, 184) }
```

Border

The CSS property to change the border of an element to YIQ 47.5010, -56.7690, 43.1590 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(20, 35, 184) }
```


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

```
.border{ border-color:rgb(20, 35, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 35, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 35, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 35, 184);  
box-shadow:4px 4px 4px 4px rgb(20, 35,  
184) }
```

Background

The CSS property to change the background color of an element to YIQ 47.5010, -56.7690, 43.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 35, 184) }
```

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

```
.background{ background-color: rgb(20, 35,  
184) }
```

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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