

Converting Colors

YIQ(53.8360, -66.1630, 15.1570)

Have a look what the booklet for
YIQ(53.8360, -66.1630, 15.1570)
contains.

YIQ(53.8360, -66.1630, 15.1570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(53.8360, -66.1630,
15.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	003E99
RGB	0, 62, 153
RGB Percent	0%, 24%, 60%
CMY	0.9999, 0.7568, 0.4003
CMYK	1.00, 0.59, 0.00, 0.40
HSL	216°, 100%, 30%
HSV	216°, 100%, 60%
XYZ	7.4668, 5.7452, 30.8156
YIQ	53.8360, -66.1630, 15.1570

Conversions

Conversions Part 2

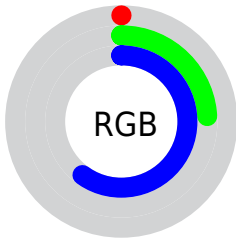
Format	Color
RYB	0, 44, 153
Decimal	16025
CIELab	28.76, 21.21, -54.14
CIELCh	29, 58.144, 291.394
Yxy	5.7452, 0.1696, 0.1305
Android (android.graphics.Color)	4278206105 (0xFF003E99)
YUV	53.8360, 48.8879, -47.2142
Hunter-Lab	23.9692, 13.6598, -59.4469

Details

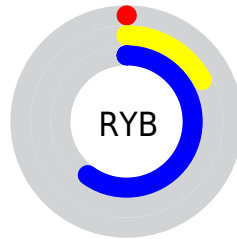
The YIQ color **53.8360, -66.1630, 15.1570** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **99.1640, 66.1630, -15.1570**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **113.1100, -46.0830, 25.7010**, and **24.4280, -38.4710, 19.9050** is the 20% darker color. If you saturate the color by 10%, you get **53.8360, -66.1630, 15.1570**, and if you desaturate by 10%, it is **63.6040, -59.6980, 13.6300**.

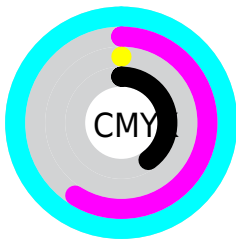
Distribution



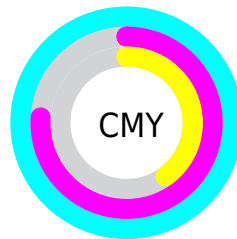
- Red (0%)
- Green (24%)
- Blue (60%)



- Red (0%)
- Yellow (17%)
- Blue (60%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (76%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 53.8360, -66.1630, 15.1570 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 53.8360, -66.1630, 15.1570 by changing the saturation by 10% instead.

■ 53.8360, -66.1630,
15.1570

■ 53.8360, -66.1630,
15.1570

■ 255.0000, -0.0000,
-0.0000

■ 38.4310, -51.7210,
17.7430

■ 113.1100,
-46.0830, 25.7010

■ 24.4280, -38.4710,
19.9050

■ 140.0610,
-44.3870, 28.0050

■ 8.6640, -24.3960,
23.6360

■ 166.0460,
-40.0310, 26.1530

■ 8.8630, -18.0670,
13.5570

■ 190.5660,
-30.1720, 18.1800

■ 4.5940, -10.1800,
8.2840

■ 215.6730,
-20.5880, 9.6840

■ 0.1140, -0.3210,
0.3110

■ 241.0790,

■ 0.0000, 0.0000,

-10.4080, 1.4000

0.0000

■ 53.8360, -66.1630,
15.1570

■ 63.6040, -59.6980,
13.6300

■ 73.6710, -52.6370,
12.3150

■ 83.4390, -46.1720,
10.7880

■ 93.2070, -39.7070,
9.2610

■ 102.9750,
-33.2420, 7.7340

■ 113.6290,
-26.4560, 5.8960

■ 123.3970,
-19.9910, 4.3690

■ 133.1650,
-13.5260, 2.8420

■ 143.2320, -6.4650,
1.5270

Harmonies

Analogous

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



63.7980, -72.1680, 8.3440



53.8360, -66.1630, 15.1570



66.2010, 14.2970, 43.7770

Triad

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



53.8360, -66.1630, 15.1570



59.9800, 64.6460, 6.8380



55.9370, -40.3880, -27.9720

Complementary

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



53.8360, -66.1630, 15.1570



99.1640, 66.1630, -15.1570

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.



48.1340, -22.5500, -42.8860



53.8360, -66.1630, 15.1570



64.2120, 39.8450, -11.7630

Square

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



53.8360, -66.1630, 15.1570



46.9040, 72.1130, 42.2330



60.1710, 11.5590, -27.7770



61.8820, -55.7500, -13.8780

Rectangle

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



53.8360, -66.1630, 15.1570



50.9280, 46.3430, 57.7270



60.1710, 11.5590, -27.7770



53.5260, -34.9770, -32.4250

Sweetspot

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



53.8360, -66.1630, 15.1570



159.9280, -25.8600, 6.1080



99.9570, -70.6440, -52.3400



76.2080, -15.0850, 3.5630



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000

Same Dimension

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



53.8360, -66.1630, 15.1570



70.2330, -86.1540, 19.5260



21.3290, -41.3650, 50.3390



71.6730, -3.3930, 0.9190



49.4190, -60.6150, 13.7290



4.4170, -5.5480, 1.4280

Inverse Universe

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



52.8150, 71.2860, 51.7180



68.7350, 92.6030, 67.3790



131.6710, 41.3650, -50.3390



71.7340, 3.8050, 2.6290



48.3580, 65.1430, 47.4070



4.4570, 6.1430, 4.3110

Previews

White Background



This preview shows how the YIQ color 53.8360, -66.1630, 15.1570 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 53.8360, -66.1630, 15.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

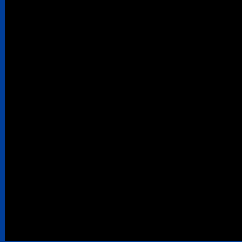
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 53.8360, -66.1630, 15.1570

Background



This preview shows how black text looks on a background with the YIQ color 53.8360, -66.1630, 15.1570.



This preview shows how white text looks on a background with the YIQ color 53.8360, -66.1630,

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

53.8360, -66.1630, 15.1570

Protanopia

54.5880, -62.7690, 8.7110

Deuteranopia

54.6560, -57.4490, 0.3990



Tritanopia

53.7320, -46.5800, -14.8680

Trichromacy



Original Color

53.8360, -66.1630, 15.1570

Protanomaly

54.5710, -64.0990, 10.7890

Deuteranomaly

54.2630, -60.4760, 5.7000

Tritanomaly

53.8750, -53.8720, -3.8560

Monochromacy



Original Color

53.8360, -66.1630, 15.1570

Achromatopsia

54.0000, -0.0000, 0.0000

Achromatomaly

53.8850, -24.3010, 5.3870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 53.8360, -66.1630, 15.1570 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(0, 62, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 153)  
}
```

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(0, 62, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 153) }
```

Border

The CSS property to change the border of an element to YIQ 53.8360, -66.1630, 15.1570 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(0, 62, 153) }
```


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

```
.border{ border-color:rgb(0, 62, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 62, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 62, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 62, 153)  
}
```

Background

The CSS property to change the background color of an element to YIQ 53.8360, -66.1630, 15.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 153) }
```

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

```
.background{ background-color: rgb(0, 62,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor