

Converting Colors

YIQ(51.0640, -55.3550, 83.6290)

Have a look what the booklet for
YIQ(51.0640, -55.3550, 83.6290)
contains.

| | |
|--|----|
| YIQ(51.0640, -55.3550, 83.6290) | 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(51.0640, -55.3550,
83.6290)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 320CFF |
| RGB | 50, 12, 255 |
| RGB Percent | 20%, 5%, 100% |
| CMY | 0.8036, 0.9531, 0.0004 |
| CMYK | 0.80, 0.95, 0.00, 0.00 |
| HSL | 249°, 100%, 52% |
| HSV | 249°, 95%, 100% |
| XYZ | 19.4830, 8.1556, 95.0673 |
| YIQ | 51.0640, -55.3550, 83.6290 |

Conversions

Conversions Part 2

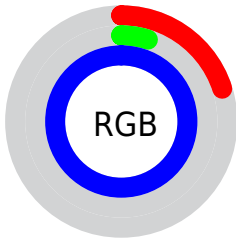
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 50, 12, 255 |
| Decimal | 3280127 |
| CIE Lab | 34.30, 77.98, -104.42 |
| CIE LCh | 34, 130.326, 306.751 |
| Yxy | 8.1556, 0.1588, 0.0665 |
| Android (android.graphics.Color) | 4281470207 (0xFF320CFF) |
| YUV | 51.0640, 100.5404, -0.9331 |
| Hunter-Lab | 28.5579, 71.8011, -177.3816 |

Details

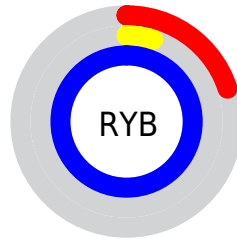
The YIQ color **51.0640, -55.3550, 83.6290** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **215.9360, 55.3550, -83.6290**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **114.6340, -22.5700, 67.6540**, and **22.3440, -62.9160, 60.9560** is the 20% darker color. If you saturate the color by 10%, you get **41.0300, -58.0150, 87.7850**, and if you desaturate by 10%, it is **72.3170, -49.1180, 75.2180**.

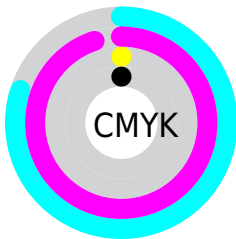
Distribution



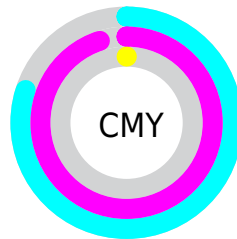
- Red (20%)
- Green (5%)
- Blue (100%)



- Red (20%)
- Yellow (5%)
- Blue (100%)



- Cyan (80%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (95%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 51.0640, -55.3550, 83.6290 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 51.0640, -55.3550, 83.6290 by changing the saturation by 10% instead.


 51.0640, -55.3550,
83.6290


 51.0640, -55.3550,
83.6290


 255.0000, -0.0000,
-0.0000

 25.6500, -72.2250,
69.9750


 114.6340,
-22.5700, 67.6540


 22.3440, -62.9160,
60.9560


 141.2360,
-10.0060, 60.2180


 19.1520, -53.9280,
52.2480


 167.5390, 1.9620,
52.5700

 15.9600, -44.9400,
43.5400

 193.8420, 13.9300,
44.9220

 20.5130, -39.8480,
28.3440

 216.2580, 18.1500,
34.5180

 17.0760, -31.5480,
21.0920


 233.2810, 10.1750,


 11.2910, -22.1480,


19.3510


15.9320


 250.3040, 2.2000,
4.1840


 6.3210, -13.6650,
10.8710


 2.6390, -6.0530,
5.0750


 51.0640, -55.3550,
83.6290

 51.0640, -55.3550,
83.6290

 41.0300, -58.0150,
87.7850

 72.3170, -49.1180,
75.2180

 93.8580, -43.7520,
66.0720

 115.1110,
-37.5150, 57.6610

 136.6520,
-32.1490, 48.5150

■ 157.9050,
-25.9120, 40.1040

■ 179.4460,
-20.5460, 30.9580

■ 200.6990,
-14.3090, 22.5470

■ 222.2400, -8.9430,
13.4010

■ 243.1940, -3.3020,
4.7780

Harmonies

Analogous

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



85.4220, -108.2550, 29.0970



51.0640, -55.3550, 83.6290



81.4150, 71.2780, 95.9340

Triad

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



51.0640, -55.3550, 83.6290



63.6890, 87.9350, 19.7990



76.3120, -63.3130, -25.4970

Complementary

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



51.0640, -55.3550, 83.6290



215.9360, 55.3550, -83.6290

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.



62.8090, -29.4250, -55.9610



51.0640, -55.3550, 83.6290



73.8040, 22.8380, -28.4420

Square

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



51.0640, -55.3550, 83.6290



64.8830, 129.3320, 46.0040



59.8740, -28.0500, -53.3460



90.5160, -97.7970, 4.7550

Rectangle

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



51.0640, -55.3550, 83.6290



82.0350, 109.7940, 80.7220



59.8740, -28.0500, -53.3460



71.6210, -51.4820, -36.1700

Sweetspot

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



51.0640, -55.3550, 83.6290



193.0240, -16.6020, 25.5580



160.6240, -134.6530, -32.1650



90.2230, -10.2730, 15.4790



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.



51.0640, -55.3550, 83.6290



41.0300, -58.0150, 87.7850



86.9440, 16.1650, 109.0690



117.0800, -2.9810, 4.4670



30.7440, -43.4310, 65.7610



10.2860, -14.5840, 22.0240

Inverse Universe

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



108.0270, 79.0230, 115.2710



100.7550, 82.9650, 120.9250



180.0560, -16.1650, -109.0690



120.0270, 4.5380, 5.8660



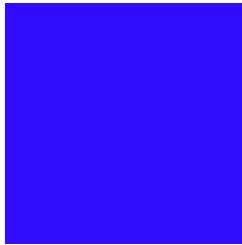
75.4630, 62.1550, 90.5630



25.2920, 20.8100, 30.3620

Previews

White Background



This preview shows how the YIQ color 51.0640, -55.3550, 83.6290 looks on a white background.

Color Contrast Check

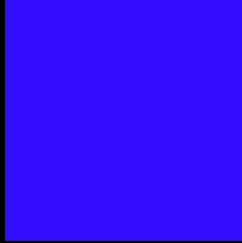
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.0640, -55.3550, 83.6290 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 51.0640, -55.3550, 83.6290

Background



This preview shows how black text looks on a background with the YIQ color 51.0640, -55.3550, 83.6290.



This preview shows how white text looks on a background with the YIQ color 51.0640, -55.3550,

83.6290.

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

51.0640, -55.3550, 83.6290

Protanopia

64.3680, -73.7730, 9.8990

Deuteranopia

64.4530, -67.1230, -0.4910



Tritanopia

62.9590, -54.6490, -17.3130

Trichromacy



Original Color

51.0640, -55.3550, 83.6290

Protanomaly

59.4240, -67.0380, 36.5300

Deuteranomaly

59.4750, -63.0480, 30.2960

Tritanomaly

58.6310, -55.1600, 19.4960

Monochromacy



Original Color

51.0640, -55.3550, 83.6290

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.2180, -19.9040, 30.3360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.0640, -55.3550, 83.6290 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(50, 12, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 12, 255)  
}
```

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(50, 12, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 12, 255) }
```

Border

The CSS property to change the border of an element to YIQ 51.0640, -55.3550, 83.6290 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(50, 12, 255) }
```


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

```
.border{ border-color:rgb(50, 12, 255) }
```

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

Here you see how a box with a 4 pixel rgb(50, 12, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 12, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 12, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 12,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 51.0640, -55.3550, 83.6290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 12, 255) }
```

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

```
.background{ background-color: rgb(50, 12,  
255) }
```

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