

Converting Colors

YIQ(83.3020, -56.2120, 5.5160)

Have a look what the booklet for
YIQ(83.3020, -56.2120, 5.5160)
contains.

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Color

**YIQ(83.3020, -56.2120,
5.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	215F9B
RGB	33, 95, 155
RGB Percent	13%, 37%, 61%
CMY	0.8707, 0.6273, 0.3924
CMYK	0.79, 0.39, 0.00, 0.39
HSL	209°, 65%, 37%
HSV	209°, 79%, 61%
XYZ	10.6315, 10.8763, 32.5191
YIQ	83.3020, -56.2120, 5.5160

Conversions

Conversions Part 2

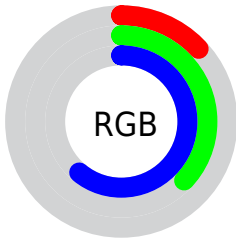
Format	Color
R_{YB}	33, 74, 155
Decimal	2187163
CIE _{Lab}	39.37, 2.24, -38.22
CIE _{LCh}	39, 38.285, 273.356
Yxy	10.8763, 0.1968, 0.2013
Android (android.graphics.Color)	4280377243 (0xFF215F9B)
YUV	83.3020, 35.3471, -44.1149
Hunter-Lab	32.9792, -0.1705, -35.3774

Details

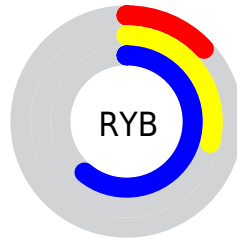
The YIQ color **83.3020, -56.2120, 5.5160** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **104.6980, 56.2120, -5.5160**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **137.7590, -50.0690, 9.8270**, and **41.0920, -46.8130, 5.8830** is the 20% darker color. If you saturate the color by 10%, you get **73.8220, -63.5480, 6.3080**, and if you desaturate by 10%, it is **92.4830, -49.4720, 4.5120**.

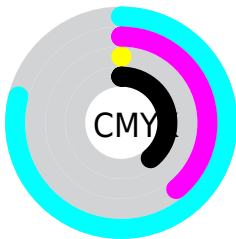
Distribution



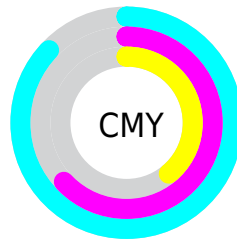
- Red (13%)
- Green (37%)
- Blue (61%)



- Red (13%)
- Yellow (29%)
- Blue (61%)



- Cyan (79%)
- Magenta (39%)
- Yellow (0%)
- Black (39%)



- Cyan (87%)
- Magenta (63%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.3020, -56.2120, 5.5160 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 83.3020, -56.2120, 5.5160 by changing the saturation by 10% instead.

■ 83.3020, -56.2120,
5.5160

■ 83.3020, -56.2120,
5.5160

■ 255.0000, -0.0000,
-0.0000

■ 56.9700, -61.2090,
2.4630

■ 137.7590,
-50.0690, 9.8270

■ 41.0920, -46.8130,
5.8830

■ 165.4710,
-49.1980, 10.5620

■ 26.0290, -33.3340,
9.4020

■ 191.6300,
-45.3920, 7.6640

■ 9.3190, -19.3510,
14.8010

■ 216.7370,
-35.8080, -0.8320

■ 4.9360, -11.1430,
9.2170

■ 241.8440,
-26.2240, -9.3280

■ 0.6840, -1.9260,
1.8660

■ 250.8140, -8.3440,

■ 0.0000, 0.0000,

-2.9680

0.0000

■ 83.3020, -56.2120,
5.5160

■ 83.3020, -56.2120,
5.5160

■ 73.8220, -63.5480,
6.3080

■ 92.4830, -49.4720,
4.5120

■ 65.2280, -70.5630,
6.7890

■ 101.3760,
-41.8610, 4.2430

■ 64.0430, -71.4800,
6.8880

■ 110.5570,
-35.1210, 3.2390

■ 119.4500,
-27.5100, 2.9700

■ 128.6310,
-20.7700, 1.9660

■ 138.1110,
-13.4340, 1.1740

■ 146.7050, -6.4190,
0.6930

■ 156.1850, 0.9170,
-0.0990

■ 165.3660, 7.6570,
-1.1030

Harmonies

Analogous

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



77.3330, -75.8330, -7.8410



83.3020, -56.2120, 5.5160



94.8520, -10.3660, 22.6740

Triad

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



83.3020, -56.2120, 5.5160



91.2960, 49.3770, 13.7370



77.5910, -33.6020, -29.8100

Complementary

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



83.3020, -56.2120, 5.5160



104.6980, 56.2120, -5.5160

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.



85.7450, 4.1310, -25.3170



83.3020, -56.2120, 5.5160



91.1190, 44.8410, -3.1830

Square

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



83.3020, -56.2120, 5.5160



92.9660, 42.0390, 25.5830



88.9610, 30.1260, -17.3460



74.2260, -60.1950, -26.9390

Rectangle

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



83.3020, -56.2120, 5.5160



95.3340, 11.8240, 28.0160



88.9610, 30.1260, -17.3460



81.8440, -18.1970, -28.1570

Sweetspot

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



83.3020, -56.2120, 5.5160



173.1470, -22.2830, 1.8530



111.3400, -52.4890, -45.4570



84.2250, -13.7550, 1.4850



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



83.3020, -56.2120, 5.5160



89.8980, -87.0690, 8.5710



48.0820, -39.7120, 36.8960



72.2600, -3.6680, 0.3960



57.6370, -64.4650, 6.4070



5.0040, -5.8230, 0.9050

Inverse Universe

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



76.5460, 52.8100, 45.1460



79.4550, 81.8280, 69.9240



139.9180, 39.7120, -36.8960



71.8480, 3.4840, 2.9400



49.9540, 60.6490, 51.7610



4.5710, 5.8220, 4.6220

Previews

White Background



This preview shows how the YIQ color 83.3020, -56.2120, 5.5160 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 83.3020, -56.2120, 5.5160 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 83.3020, -56.2120, 5.5160

Background



This preview shows how black text looks on a background with the YIQ color 83.3020, -56.2120, 5.5160.



This preview shows how white text looks on a background with the YIQ color 83.3020, -56.2120,

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

83.3020, -56.2120, 5.5160

Protanopia

90.3760, -32.6930, 14.3070

Deuteranopia

86.9120, -46.1260, 9.9540



Tritanopia

73.0010, -63.6350, -19.6590

Trichromacy



Original Color

83.3020, -56.2120, 5.5160

Protanomaly

87.7770, -41.3120, 10.8160

Deuteranomaly

85.7050, -49.9770, 8.1590

Tritanomaly

76.6520, -60.7940, -10.5700

Monochromacy



Original Color

83.3020, -56.2120, 5.5160

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

82.9300, -20.1740, 2.1780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.3020, -56.2120, 5.5160 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(33, 95, 155)` looks like.

```
.text, #text, p{  
    color:rgb(33, 95, 155)  
}
```

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(33, 95, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 95, 155) }
```

Border

The CSS property to change the border of an element to YIQ 83.3020, -56.2120, 5.5160 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(33, 95, 155) }
```


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

```
.border{ border-color:rgb(33, 95, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 95, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 95, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 95, 155);  
box-shadow:4px 4px 4px 4px rgb(33, 95,  
155) }
```

Background

The CSS property to change the background color of an element to YIQ 83.3020, -56.2120, 5.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 95, 155) }
```

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

```
.background{ background-color: rgb(33, 95,  
155) }
```

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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