

Converting Colors

YIQ(106.3470, 20.1180, 53.9260)

Have a look what the booklet for
YIQ(106.3470, 20.1180, 53.9260)
contains.

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Color

**YIQ(106.3470, 20.1180,
53.9260)**

Conversions

Conversions Part 1

Format	Color
Hex	9F42B0
RGB	159, 66, 176
RGB Percent	62%, 26%, 69%
CMY	0.3762, 0.7413, 0.3098
CMYK	0.10, 0.63, 0.00, 0.31
HSL	291°, 45%, 47%
HSV	291°, 63%, 69%
XYZ	24.0950, 14.4049, 42.5841
YIQ	106.3470, 20.1180, 53.9260

Conversions

Conversions Part 2

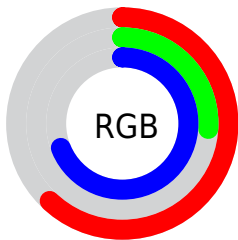
Format	Color
R_{YB}	159, 66, 176
Decimal	10437296
CIE _{Lab}	44.81, 54.34, -41.42
CIE _{LCh}	45, 68.327, 322.686
Yxy	14.4049, 0.2972, 0.1777
Android (android.graphics.Color)	4288627376 (0xFF9F42B0)
YUV	106.3470, 34.3389, 46.1767
Hunter-Lab	37.9538, 46.9018, -39.9555

Details

The YIQ color **106.3470, 20.1180, 53.9260** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **135.6530, -20.1180, -53.9260**, and the grayscale version is **106.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **161.4720, 21.2640, 55.1840**, and **45.1180, 22.5010, 60.3010** is the 20% darker color. If you saturate the color by 10%, you get **94.8840, 23.2800, 62.7040**, and if you desaturate by 10%, it is **117.8100, 16.9560, 45.1480**.

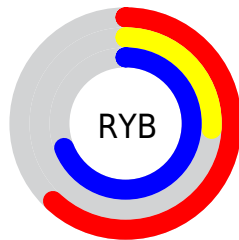
Distribution



Red (62%)

Green (26%)

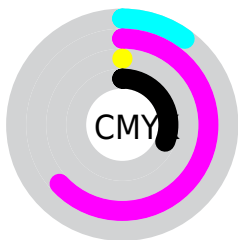
Blue (69%)



Red (62%)

Yellow (26%)

Blue (69%)

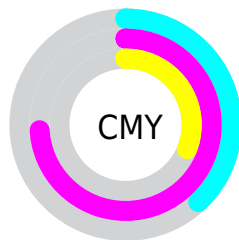


Cyan (10%)

Magenta (63%)

Yellow (0%)

Black (31%)



Cyan (38%)

Magenta (74%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 106.3470, 20.1180, 53.9260 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 106.3470, 20.1180, 53.9260 by changing the saturation by 10% instead.

106.3470, 20.1180,
53.9260

106.3470, 20.1180,
53.9260

255.0000, -0.0000,
-0.0000

78.4610, 19.7970,
54.2370

161.4720, 21.2640,
55.1840

45.1180, 22.5010,
60.3010

188.9130, 24.3360,
54.5760

34.3800, 15.3510,
46.7030

208.0400, 22.0000,
41.8400

23.8700, 7.5590,
33.7270

224.4760, 14.3000,
27.1960

13.4740, -0.5540,
21.0620

241.4990, 6.3250,
12.0290

3.7790, -9.2630,
8.1850

0.0000, 0.0000,

0.0000

■ 106.3470, 20.1180,
53.9260

■ 106.3470, 20.1180,
53.9260

■ 94.8840, 23.2800,
62.7040

■ 117.8100, 16.9560,
45.1480

■ 84.3070, 26.7630,
71.1710

■ 128.3870, 13.4730,
36.6810

■ 72.8440, 29.9250,
79.9490

■ 139.8500, 10.3110,
27.9030

■ 64.6150, 32.3080,
86.3240

■ 150.7260, 7.4240,
19.6480

■ 162.1890, 4.2620,
10.8700

■ 173.3530, 0.5040,
1.8800

■ 184.2290, -2.3830,
-6.3750

■ 195.6920, -5.5450,
-15.1530

■ 206.2690, -9.0280,
-23.6200

Harmonies

Analogous

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



99.6450, -57.7750, 28.3450



106.3470, 20.1180, 53.9260



91.4210, 70.0000, 64.0160

Triad

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



106.3470, 20.1180, 53.9260



100.2720, 56.8110, -21.8850



93.2960, -83.5790, -21.6510

Complementary

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



106.3470, 20.1180, 53.9260



135.6530, -20.1180, -53.9260

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.



85.9830, -64.3650, -39.4770



106.3470, 20.1180, 53.9260



94.4040, 20.5480, -42.0120

Square

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



106.3470, 20.1180, 53.9260



96.4260, 86.5170, 1.4370



76.4530, -43.0420, -56.9780



97.0070, -98.1620, -5.1540

Rectangle

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



106.3470, 20.1180, 53.9260



87.7090, 86.3240, 54.5160



76.4530, -43.0420, -56.9780



91.1300, -77.4800, -27.5600

Sweetspot

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



106.3470, 20.1180, 53.9260



202.0790, 7.9280, 21.5280



89.1060, -40.2600, 24.7960



97.9550, 5.0410, 13.2730



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



106.3470, 20.1180, 53.9260



120.3760, 31.4830, 84.7550



107.2120, 42.1270, 46.0230



83.4180, 1.8790, 4.4950



56.0130, 27.7710, 74.9310



9.5420, 4.7660, 12.7500

Inverse Universe

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



100.8280, 60.1030, 28.6070



111.8050, 94.4410, 45.0730



134.7880, -42.1270, -46.0230



82.9190, 4.7220, 2.5300



48.4830, 83.4840, 39.9000



8.2300, 14.2120, 6.7560

Previews

White Background



This preview shows how the YIQ color 106.3470, 20.1180, 53.9260 looks on a white background.

Color Contrast Check

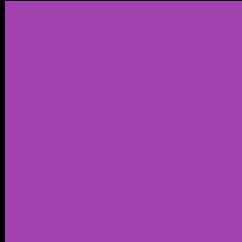
Large Text (above 18pt) WCAG AA ✓ Pass

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 106.3470, 20.1180, 53.9260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

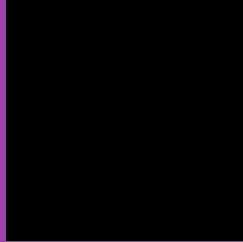
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 106.3470, 20.1180, 53.9260

Background



This preview shows how black text looks on a background with the YIQ color 106.3470, 20.1180, 53.9260.



This preview shows how white text looks on a background with the YIQ color 106.3470, 20.1180,

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

106.3470, 20.1180, 53.9260

Protanopia

95.0940, -75.5170, 19.4830

Deuteranopia

103.6030, -40.7620, 11.8620



Tritanopia

107.4390, 32.9170, 14.6850

Trichromacy



Original Color

106.3470, 20.1180, 53.9260

Protanomaly

99.4360, -40.9490, 31.7790

Deuteranomaly

104.7080, -18.5280, 27.4240

Tritanomaly

107.2450, 28.1920, 28.7360

Monochromacy



Original Color

106.3470, 20.1180, 53.9260

Achromatopsia

106.0000, -0.0000, -0.0000

Achromatomaly

105.7260, 7.4240, 19.6480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 106.3470, 20.1180, 53.9260 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(159, 66, 176)` looks like.

```
.text, #text, p{  
    color:rgb(159, 66, 176)  
}
```

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(159, 66, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 66, 176) }
```

Border

The CSS property to change the border of an element to YIQ 106.3470, 20.1180, 53.9260 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(159, 66, 176) }
```


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

```
.border{ border-color:rgb(159, 66, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 66, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 66, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 66, 176);  
box-shadow:4px 4px 4px 4px rgb(159, 66,  
176) }
```

Background

The CSS property to change the background color of an element to YIQ 106.3470, 20.1180, 53.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 66, 176) }
```

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

```
.background{ background-color: rgb(159, 66,  
176) }
```

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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