

Converting Colors

YIQ(117.8150, -19.2530,
-20.0290)

Have a look what the booklet for
YIQ(117.8150, -19.2530, -20.0290)
contains.

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Color

**YIQ(117.8150, -19.2530,
-20.0290)**

Conversions

Conversions Part 1

Format	Color
Hex	578869
RGB	87, 136, 105
RGB Percent	34%, 53%, 41%
CMY	0.6590, 0.4666, 0.5883
CMYK	0.36, 0.00, 0.23, 0.47
HSL	142°, 22%, 44%
HSV	142°, 36%, 53%
XYZ	15.2834, 20.6583, 16.5429
YIQ	117.8150, -19.2530, -20.0290

Conversions

Conversions Part 2

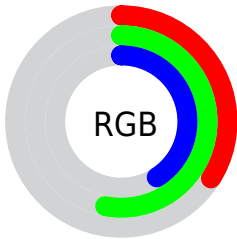
Format	Color
RYB	87, 123, 136
Decimal	5736553
CIELab	52.57, -23.68, 11.51
CIELCh	53, 26.332, 154.080
Yxy	20.6583, 0.2912, 0.3936
Android (android.graphics.Color)	4283926633 (0xFF578869)
YUV	117.8150, -6.3178, -27.0248
Hunter-Lab	45.4514, -19.5179, 10.2362

Details

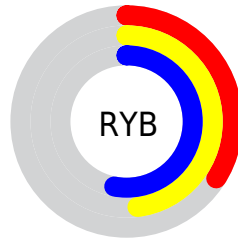
The YIQ color **117.8150, -19.2530, -20.0290** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **105.1850, 19.2530, 20.0290**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.8750, -19.4820, -21.3860**, and **68.4560, -19.6200, -18.8840** is the 20% darker color. If you saturate the color by 10%, you get **112.6030, -24.7080, -25.7960**, and if you desaturate by 10%, it is **123.0270, -13.7980, -14.2620**.

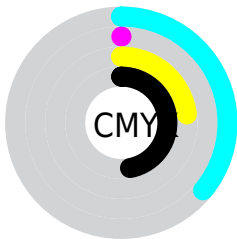
Distribution



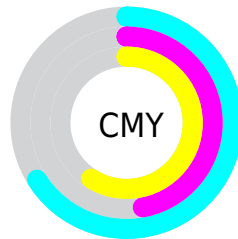
- Red (34%)
- Green (53%)
- Blue (41%)



- Red (34%)
- Yellow (48%)
- Blue (53%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (47%)



- Cyan (66%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8150, -19.2530, -20.0290 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 117.8150, -19.2530, -20.0290 by changing the saturation by 10% instead.

■ 117.8150,
-19.2530, -20.0290

■ 117.8150,
-19.2530, -20.0290

■ 255.0000, -0.0000,
-0.0000

■ 92.3420, -19.2990,
-19.1950

■ 170.5760,
-20.0780, -21.5980

■ 68.4560, -19.6200,
-18.8840

■ 198.1630,
-20.3530, -22.1210

■ 44.0860, -21.4540,
-18.6860

■ 226.1630,
-20.3530, -22.1210

■ 25.1900, -15.8150,
-16.2550

■ 243.0100,
-15.1280, -12.1840

■ 9.3920, -4.4000,
-8.3680

■ 253.5050, -2.9800,
-1.0600

■ 0.0000, 0.0000,
0.0000

■ 117.8150,
-19.2530, -20.0290

■ 117.8150,
-19.2530, -20.0290

■ 112.6030,
-24.7080, -25.7960

■ 123.0270,
-13.7980, -14.2620

■ 107.8040,
-29.8880, -31.0400

■ 127.8260, -8.6180,
-9.0180

■ 102.5920,
-35.3430, -36.8070

■ 133.0380, -3.1630,
-3.2510

■ 97.7930, -40.5230,
-42.0510

■ 137.8370, 2.0170,
1.9930

■ 92.5810, -45.9780,
-47.8180

■ 143.0490, 7.4720,
7.7600

■ 87.3690, -51.4330,
-53.5850

■ 148.2610, 12.9270,
13.5270

■ 85.5320, -53.4500,
-55.5780

■ 153.0600, 18.1070,
18.7710

■ 158.2720, 23.5620,

24.5380

■ 163.0710, 28.7420,
29.7820

Harmonies

Analogous

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



121.4880, 3.7170, -17.8110



117.8150, -19.2530, -20.0290



113.8370, -42.6820, -19.4340

Triad

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



117.8150, -19.2530, -20.0290



123.8290, -29.8950, 7.6490



127.2020, 37.7780, 9.1860

Complementary

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



117.8150, -19.2530, -20.0290



105.1850, 19.2530, 20.0290

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.



127.9490, 31.5410, 17.5970



117.8150, -19.2530, -20.0290



127.9030, -6.3760, 16.4400

Square

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



117.8150, -19.2530, -20.0290



116.3160, -50.8000, -4.4640



128.7440, 16.1810, 20.6370



125.3120, 34.1120, -1.4720

Rectangle

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



117.8150, -19.2530, -20.0290



111.3720, -54.3740, -16.7900



128.7440, 16.1810, 20.6370



127.1250, 36.6770, 12.6210

Sweetspot

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



117.8150, -19.2530, -20.0290



168.9510, -7.4720, -7.7600



125.0320, 5.0010, -19.0550



84.9130, -4.3090, -4.5090



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



117.8150, -19.2530, -20.0290



147.8040, -29.8880, -31.0400



120.5510, -26.9570, -12.5650



66.3370, -2.5670, -3.0390



83.6570, -52.3040, -54.3200



3.1630, -2.0170, -1.9930

Inverse Universe

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



105.1850, 19.2530, 20.0290



128.1960, 29.8880, 31.0400



102.4490, 26.9570, 12.5650



64.5490, 2.8880, 2.7280



49.3430, 52.3040, 54.3200



1.8370, 2.0170, 1.9930

Previews

White Background



This preview shows how the YIQ color 117.8150, -19.2530, -20.0290 looks on a white 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

Black Background



This preview shows how the YIQ color 117.8150, -19.2530, -20.0290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

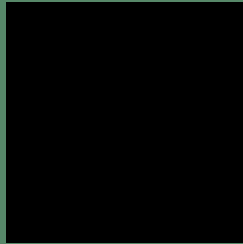
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.8150, -19.2530, -20.0290 Background



This preview shows how black text looks on a background with the YIQ color 117.8150, -19.2530, -20.0290.



This preview shows how white text looks on a background with the YIQ color 117.8150, -19.2530, -20.0290.

-20.0290.

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

117.8150, -19.2530, -20.0290

Protanopia

124.5420, 12.7930, -6.0790

Deuteranopia

125.5090, 17.5600, 1.1440



Tritanopia

121.4900, -24.9870, -4.2110

Trichromacy



Original Color

117.8150, -19.2530, -20.0290

Protanomaly

122.0350, 0.9190, -11.1530

Deuteranomaly

122.9370, 4.3110, -6.5450

Tritanomaly

120.2850, -23.1520, -9.9360

Monochromacy



Original Color

117.8150, -19.2530, -20.0290

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.2500, -6.8760, -7.5480

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.8150, -19.2530, -20.0290 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(87, 136, 105)` looks like.

```
.text, #text, p{  
    color:rgb(87, 136, 105)  
}
```

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(87, 136, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 136, 105) }
```

Border

The CSS property to change the border of an element to YIQ 117.8150, -19.2530, -20.0290 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(87, 136, 105) }
```


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

```
.border{ border-color:rgb(87, 136, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 136, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 136, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 136, 105);  
box-shadow:4px 4px 4px 4px rgb(87, 136,  
105) }
```

Background

The CSS property to change the background color of an element to YIQ 117.8150, -19.2530, -20.0290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 136, 105) }
```

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

```
.background{ background-color: rgb(87, 136,  
105) }
```

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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