

Converting Colors

YIQ(98.4050, 19.9480, -20.1160)

Have a look what the booklet for
YIQ(98.4050, 19.9480, -20.1160)
contains.

YIQ(98.4050, 19.9480, -20.1160)	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(98.4050, 19.9480,
-20.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	696A2A
RGB	105, 106, 42
RGB Percent	41%, 42%, 16%
CMY	0.5883, 0.5843, 0.8352
CMYK	0.01, 0.00, 0.60, 0.58
HSL	61°, 43%, 29%
HSV	61°, 60%, 42%
XYZ	11.3970, 13.4781, 4.1944
YIQ	98.4050, 19.9480, -20.1160

Conversions

Conversions Part 2

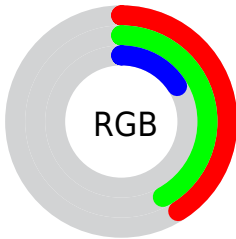
Format	Color
R _{YB}	42, 106, 43
Decimal	6908458
CIE Lab	43.48, -9.80, 35.00
CIE LCh	43, 36.343, 105.642
Yxy	13.4781, 0.3921, 0.4637
Android (android.graphics.Color)	4285098538 (0xFF696A2A)
YUV	98.4050, -27.8077, 5.7838
Hunter-Lab	36.7126, -8.8337, 18.9249

Details

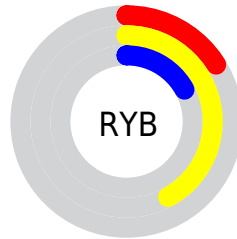
The YIQ color **98.4050, 19.9480, -20.1160** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **49.5950, -19.9480, 20.1160**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **149.6610, 22.1030, -20.6250**, and **51.3770, 17.1510, -18.9850** is the 20% darker color. If you saturate the color by 10%, you get **97.1510, 23.4790, -23.5370**, and if you desaturate by 10%, it is **99.6590, 16.4170, -16.6950**.

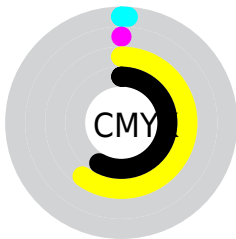
Distribution



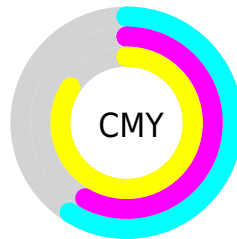
- Red (41%)
- Green (42%)
- Blue (16%)



- Red (16%)
- Yellow (42%)
- Blue (17%)



- Cyan (1%)
- Magenta (0%)
- Yellow (60%)
- Black (58%)



- Cyan (59%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 98.4050, 19.9480, -20.1160 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 98.4050, 19.9480, -20.1160 by changing the saturation by 10% instead.

■ 98.4050, 19.9480,
-20.1160

■ 98.4050, 19.9480,
-20.1160

■ 255.0000, -0.0000,
-0.0000

■ 74.1060, 19.3520,
-20.3280

■ 149.6610, 22.1030,
-20.6250

■ 51.3770, 17.1510,
-18.9850

■ 176.4330, 22.7450,
-21.2470

■ 31.2870, 8.8970,
-12.5670

■ 204.6180, 23.6620,
-21.3460

■ 10.5660, -4.9500,
-9.4140

■ 232.6890, 24.9000,
-21.7560

■ 0.0000, 0.0000,
0.0000

■ 248.2740, 18.9390,
-18.3490

■ 251.4660, 9.9510,

-9.6410

254.7720, 0.6420,
-0.6220

■ 98.4050, 19.9480,
-20.1160

■ 98.4050, 19.9480,
-20.1160

■ 97.1510, 23.4790,
-23.5370

■ 99.6590, 16.4170,
-16.6950

■ 96.0110, 26.6890,
-26.6470

■ 100.7990, 13.2070,
-13.5850

■ 94.4580, 29.6240,
-30.2800

■ 102.0530, 9.6760,
-10.1640

■ 93.3180, 32.8340,
-33.3900

■ 103.4920, 7.0620,
-6.8420

■ 104.7460, 3.5310,
-3.4210

■ 106.0000, -0.0000,
-0.0000

■ 107.1400, -3.2100,
3.1100

■ 108.3940, -6.7410,
6.5310

■ 109.8330, -9.3550,
9.8530

Harmonies

Analogous

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



100.7220, 38.4690, -8.8510



98.4050, 19.9480, -20.1160



94.2860, -7.6980, -25.6980

Triad

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



98.4050, 19.9480, -20.1160



84.6220, -78.4450, -15.5730



104.9740, 30.3930, 27.3930

Complementary

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



98.4050, 19.9480, -20.1160



49.5950, -19.9480, 20.1160

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.



106.1480, 3.4800, 25.0480



98.4050, 19.9480, -20.1160



82.9240, -81.9310, -7.4590

Square

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



98.4050, 19.9480, -20.1160



82.7180, -70.3280, -25.0160



100.9740, -31.5010, 14.7310



102.7720, 45.3410, 20.8050

Rectangle

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



98.4050, 19.9480, -20.1160



88.8300, -32.7770, -28.2410



100.9740, -31.5010, 14.7310



105.1950, 22.4610, 27.9730

Sweetspot

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



98.4050, 19.9480, -20.1160



134.8510, 7.4290, -7.9870



61.1360, 38.1440, 13.5680



67.2900, 4.8150, -4.6650



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



98.4050, 19.9480, -20.1160



126.1160, 30.5870, -31.2130



89.1360, 1.4720, -26.6880



53.0170, 1.3300, -2.0780



103.0640, 36.3650, -36.8110



215.8740, 76.2610, -77.0430

Inverse Universe

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



49.5950, -19.9480, 20.1160



50.5850, -31.1830, 31.0010



58.8640, -1.4720, 26.6880



48.6840, -1.9260, 1.8660



13.9360, -36.3650, 36.8110



29.1260, -76.2610, 77.0430

Previews

White Background



This preview shows how the YIQ color 98.4050, 19.9480, -20.1160 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 98.4050, 19.9480, -20.1160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

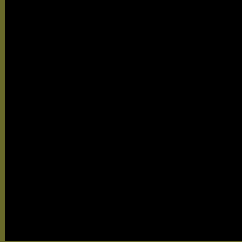
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 98.4050, 19.9480, -20.1160

Background



This preview shows how black text looks on a background with the YIQ color 98.4050, 19.9480, -20.1160.



This preview shows how white text looks on a background with the YIQ color 98.4050, 19.9480, -20.1160.

-20.1160.

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

98.4050, 19.9480, -20.1160

Protanopia

99.2210, 26.4580, -16.9500

Deuteranopia

100.5150, 34.6180, -10.6460



Tritanopia

103.5000, 4.5840, 5.0320

Trichromacy



Original Color

98.4050, 19.9480, -20.1160

Protanomaly

98.9110, 24.3950, -18.1090

Deuteranomaly

99.7700, 29.3460, -14.2220

Tritanomaly

101.9270, 10.2710, -4.4250

Monochromacy



Original Color

98.4050, 19.9480, -20.1160

Achromatopsia

98.0000, -0.0000, -0.0000

Achromatomaly

98.3780, 7.3830, -7.1530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 98.4050, 19.9480, -20.1160 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(105, 106, 42)` looks like.

```
.text, #text, p{  
    color:rgb(105, 106, 42)  
}
```

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(105, 106, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 106, 42) }
```

Border

The CSS property to change the border of an element to YIQ 98.4050, 19.9480, -20.1160 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(105, 106, 42) }
```


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

```
.border{ border-color:rgb(105, 106, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 106, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 106, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 106, 42);  
box-shadow:4px 4px 4px 4px rgb(105, 106,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 98.4050, 19.9480, -20.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 106, 42) }
```

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

```
.background{ background-color: rgb(105,  
106, 42) }
```

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