

Converting Colors

YIQ(100.0450, 21.3220,
-11.9740)

Have a look what the booklet for
YIQ(100.0450, 21.3220, -11.9740)
contains.

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Color

**YIQ(100.0450, 21.3220,
-11.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	716638
RGB	113, 102, 56
RGB Percent	44%, 40%, 22%
CMY	0.5569, 0.6000, 0.7803
CMYK	0.00, 0.10, 0.50, 0.56
HSL	48°, 34%, 33%
HSV	48°, 50%, 44%
XYZ	12.2754, 13.2983, 5.6652
YIQ	100.0450, 21.3220, -11.9740

Conversions

Conversions Part 2

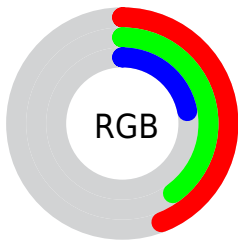
Format	Color
RYB	70, 113, 56
Decimal	7431736
CIELab	43.21, -2.48, 27.42
CIELCh	43, 27.532, 95.158
Yxy	13.2983, 0.3930, 0.4257
Android (android.graphics.Color)	4285621816 (0xFF716638)
YUV	100.0450, -21.7142, 11.3615
Hunter-Lab	36.4668, -3.7304, 16.3160

Details

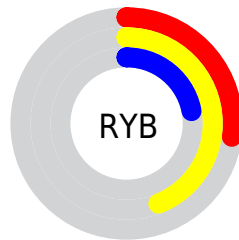
The YIQ color **100.0450, 21.3220, -11.9740** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **68.9550, -21.3220, 11.9740**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.3010, 23.4770, -12.4830**, and **52.3760, 18.8920, -11.9880** is the 20% darker color. If you saturate the color by 10%, you get **97.6170, 25.4030, -14.3490**, and if you desaturate by 10%, it is **102.4730, 17.2410, -9.5990**.

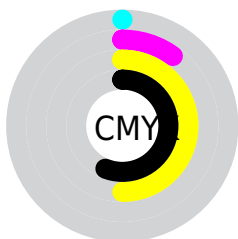
Distribution



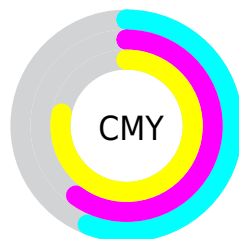
- Red (44%)
- Green (40%)
- Blue (22%)



- Red (27%)
- Yellow (44%)
- Blue (22%)



- Cyan (0%)
- Magenta (10%)
- Yellow (50%)
- Black (56%)



- Cyan (56%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 100.0450, 21.3220, -11.9740 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 100.0450, 21.3220, -11.9740 by changing the saturation by 10% instead.

100.0450, 21.3220,
-11.9740

100.0450, 21.3220,
-11.9740

255.0000, -0.0000,
-0.0000

75.8600, 20.4050,
-11.8750

151.3010, 23.4770,
-12.4830

52.3760, 18.8920,
-11.9880

178.3720, 24.7150,
-12.8930

32.2170, 15.0860,
-9.0900

205.6710, 25.3110,
-12.6810

11.2190, 3.5770,
-4.2550

233.8560, 26.2280,
-12.7800

0.0000, 0.0000,
0.0000

249.9840, 14.1240,
-13.6840

253.1760, 5.1360,

-4.9760

■ 100.0450, 21.3220,
-11.9740

■ 100.0450, 21.3220,
-11.9740

■ 97.6170, 25.4030,
-14.3490

■ 102.4730, 17.2410,
-9.5990

■ 95.0750, 29.8050,
-17.0350

■ 105.0150, 12.8390,
-6.9130

■ 92.0600, 34.1610,
-18.8870

■ 108.0300, 8.4830,
-5.0610

■ 89.6320, 38.2420,
-21.2620

■ 110.4580, 4.4020,
-2.6860

■ 87.2040, 42.3230,
-23.6370

■ 113.0000, -0.0000,
0.0000

■ 115.4280, -4.0810,
2.3750

■ 117.8560, -8.1620,
4.7500

■ 120.2840,
-12.2430, 7.1250

■ 123.4130,
-16.9200, 9.2880

Harmonies

Analogous

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



101.6000, 33.2410, -2.2070



100.0450, 21.3220, -11.9740



97.3030, 2.8000, -17.7120

Triad

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



100.0450, 21.3220, -11.9740



80.9230, -72.1630, -19.2910



105.0430, 16.7770, 20.8490

Complementary

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



100.0450, 21.3220, -11.9740



68.9550, -21.3220, 11.9740

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.



104.5010, -5.1840, 16.8640



100.0450, 21.3220, -11.9740



89.8420, -58.2730, -6.6970

Square

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



100.0450, 21.3220, -11.9740



86.0640, -50.7510, -21.8790



99.6440, -30.8120, 7.7480



103.9490, 31.5410, 17.5970

Rectangle

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



100.0450, 21.3220, -11.9740



94.6370, -12.8800, -19.8880



99.6440, -30.8120, 7.7480



104.8080, 10.1290, 20.1850

Sweetspot

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



100.0450, 21.3220, -11.9740



143.1440, 8.1620, -4.7500



74.2970, 30.4410, 15.5050



70.7570, 4.9980, -2.4740



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



100.0450, 21.3220, -11.9740



127.8750, 33.2440, -18.7880



101.4190, 8.1650, -21.3310



54.7290, 2.2010, -1.3430



92.8190, 44.8450, -25.2910



191.2530, 92.2120, -52.2360

Inverse Universe

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



68.9550, -21.3220, 11.9740



79.1250, -33.2440, 18.7880



67.5810, -8.1650, 21.3310



51.8580, -2.4760, 0.8200



27.1810, -44.8450, 25.2910



56.3340, -92.4870, 51.7130

Previews

White Background



This preview shows how the YIQ color 100.0450, 21.3220, -11.9740 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 100.0450, 21.3220, -11.9740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

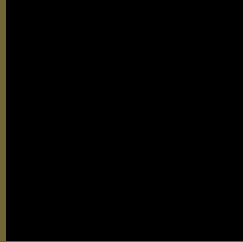
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 100.0450, 21.3220, -11.9740

Background



This preview shows how black text looks on a background with the YIQ color 100.0450, 21.3220, -11.9740.



This preview shows how white text looks on a background with the YIQ color 100.0450, 21.3220,

-11.9740.

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

100.0450, 21.3220, -11.9740

Protanopia

99.7460, 20.7260, -12.1860

Deuteranopia

100.8120, 29.5280, -6.5040



Tritanopia

103.4900, 10.5440, 7.1520

Trichromacy



Original Color

100.0450, 21.3220, -11.9740

Protanomaly

99.7460, 20.7260, -12.1860

Deuteranomaly

100.7900, 26.5940, -8.3980

Tritanomaly

102.1280, 14.2590, 0.3950

Monochromacy



Original Color

100.0450, 21.3220, -11.9740

Achromatopsia

100.0000, -0.0000, -0.0000

Achromatomaly

100.2580, 7.8410, -4.4390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 100.0450, 21.3220, -11.9740 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(113, 102, 56)` looks like.

```
.text, #text, p{  
    color:rgb(113, 102, 56)  
}
```

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(113, 102, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 102, 56) }
```

Border

The CSS property to change the border of an element to YIQ 100.0450, 21.3220, -11.9740 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(113, 102, 56) }
```


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

```
.border{ border-color:rgb(113, 102, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 102, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 102, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 102, 56);  
box-shadow:4px 4px 4px 4px rgb(113, 102,  
56) }
```

Background

The CSS property to change the background color of an element to YIQ 100.0450, 21.3220, -11.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 102, 56) }
```

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

```
.background{ background-color: rgb(113,  
102, 56) }
```

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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