

Converting Colors

YIQ(115.6750, 21.7700, 46.0100)

Have a look what the booklet for
YIQ(115.6750, 21.7700, 46.0100)
contains.

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Color

**YIQ(115.6750, 21.7700,
46.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	A550AA
RGB	165, 80, 170
RGB Percent	65%, 31%, 67%
CMY	0.3527, 0.6864, 0.3333
CMYK	0.03, 0.53, 0.00, 0.33
HSL	297°, 36%, 49%
HSV	297°, 53%, 67%
XYZ	25.6529, 16.6410, 39.8923
YIQ	115.6750, 21.7700, 46.0100

Conversions

Conversions Part 2

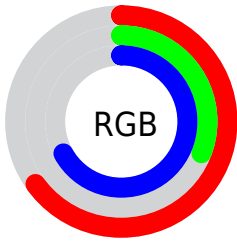
Format	Color
R _Y B	165, 80, 170
Decimal	10834090
CIE _{Lab}	47.80, 48.11, -33.10
CIE _{LCh}	48, 58.395, 325.466
Yxy	16.6410, 0.3121, 0.2025
Android (android.graphics.Color)	4289024170 (0xFFA550AA)
YUV	115.6750, 26.7822, 43.2580
Hunter-Lab	40.7933, 40.8615, -29.4251

Details

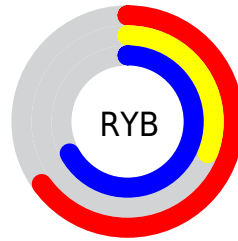
The YIQ color **115.6750, 21.7700, 46.0100** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **134.3250, -21.7700, -46.0100**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **170.2130, 23.1910, 47.7910**, and **61.7890, 21.4490, 46.3210** is the 20% darker color. If you saturate the color by 10%, you get **105.3970, 25.8490, 54.6890**, and if you desaturate by 10%, it is **125.9530, 17.6910, 37.3310**.

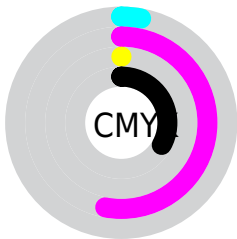
Distribution



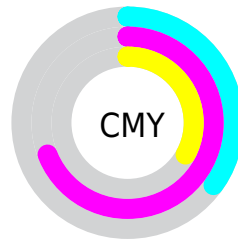
- Red (65%)
- Green (31%)
- Blue (67%)



- Red (65%)
- Yellow (31%)
- Blue (67%)



- Cyan (3%)
- Magenta (53%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (69%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 115.6750, 21.7700, 46.0100 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 115.6750, 21.7700, 46.0100 by changing the saturation by 10% instead.


 115.6750, 21.7700,
46.0100


 115.6750, 21.7700,
46.0100


255.0000, -0.0000,
-0.0000


 89.2620, 21.4950,
45.4870


 170.2130, 23.1910,
47.7910


 61.7890, 21.4490,
46.3210


 197.9250, 24.0620,
48.5260


 35.6040, 20.5320,
46.4200


 215.6710, 18.4250,
35.0410

 25.3930, 13.3360,
33.6560

 232.1070, 10.7250,
20.3970

 16.3070, 7.2860,
22.1500

 249.1300, 2.7500,
5.2300

 3.3230, -7.9790,
6.9410

 0.0000, 0.0000,

0.0000

■ 115.6750, 21.7700,
46.0100

■ 115.6750, 21.7700,
46.0100

■ 105.3970, 25.8490,
54.6890

■ 125.9530, 17.6910,
37.3310

■ 95.1190, 29.9280,
63.3680

■ 136.2310, 13.6120,
28.6520

■ 84.8410, 34.0070,
72.0470

■ 146.5090, 9.5330,
19.9730

■ 74.5630, 38.0860,
80.7260

■ 156.7870, 5.4540,
11.2940

■ 67.5190, 41.3860,
87.0020

■ 167.0650, 1.3750,
2.6150

■ 177.3430, -2.7040,
-6.0640

■ 187.6210, -6.7830,
-14.7430

■ 197.8990,
-10.8620, -23.4220

■ 207.8780,
-15.5370, -32.3130

Harmonies

Analogous

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



112.8940, -36.5470, 29.0930



115.6750, 21.7700, 46.0100



109.0200, 60.2830, 47.3790

Triad

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



115.6750, 21.7700, 46.0100



106.7400, 55.2530, -26.6910



97.5020, -87.1550, -22.9230

Complementary

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



115.6750, 21.7700, 46.0100



134.3250, -21.7700, -46.0100

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.



91.1010, -70.5090, -38.2610



115.6750, 21.7700, 46.0100



100.9050, 23.3910, -43.9770

Square

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



115.6750, 21.7700, 46.0100



108.4830, 73.1750, 0.9430



84.2490, -50.9750, -50.8710



99.6000, -98.5740, -8.7020

Rectangle

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



115.6750, 21.7700, 46.0100



107.3400, 73.5810, 37.6530



84.2490, -50.9750, -50.8710



95.5640, -81.6980, -28.2100

Sweetspot

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



115.6750, 21.7700, 46.0100



200.2700, 8.7080, 18.4040



93.7820, -30.5400, 24.8520



99.3740, 5.1790, 10.7710



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



115.6750, 21.7700, 46.0100



136.2540, 34.2820, 72.5700



112.7240, 37.2690, 34.9410



79.3040, 2.2000, 4.1840



58.7320, 35.9320, 75.7080



7.9610, 4.9040, 10.2480

Inverse Universe

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



107.4800, 52.0350, 20.6350



123.3700, 82.0640, 32.5920



137.2760, -37.2690, -34.9410



78.3920, 4.7680, 1.6960



45.1640, 85.6400, 33.8640



6.0940, 11.5990, 4.5510

Previews

White Background



This preview shows how the YIQ color 115.6750, 21.7700, 46.0100 looks on a white background.

Color Contrast Check

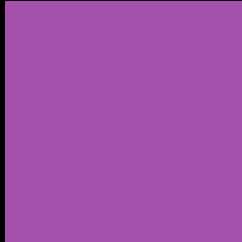
Large Text (above 18pt) WCAG AA ✓ Pass

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 115.6750, 21.7700, 46.0100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

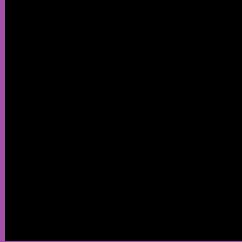
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 115.6750, 21.7700, 46.0100

Background



This preview shows how black text looks on a background with the YIQ color 115.6750, 21.7700, 46.0100.



This preview shows how white text looks on a background with the YIQ color 115.6750, 21.7700,

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

115.6750, 21.7700, 46.0100

Protanopia

110.4530, -48.7870, 19.6370

Deuteranopia

113.1330, -27.6950, 11.8330



Tritanopia

115.7380, 33.5130, 14.8970

Trichromacy



Original Color

115.6750, 21.7700, 46.0100

Protanomaly

112.4240, -23.4800, 29.0640

Deuteranomaly

114.0910, -9.5410, 24.2430

Tritanomaly

115.8490, 29.2470, 26.1350

Monochromacy



Original Color

115.6750, 21.7700, 46.0100

Achromatopsia

116.0000, -0.0000, 0.0000

Achromatomaly

116.0310, 7.8830, 16.8350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 115.6750, 21.7700, 46.0100 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(165, 80, 170)` looks like.

```
.text, #text, p{  
    color:rgb(165, 80, 170)  
}
```

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(165, 80, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 80, 170) }
```

Border

The CSS property to change the border of an element to YIQ 115.6750, 21.7700, 46.0100 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(165, 80, 170) }
```


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

```
.border{ border-color:rgb(165, 80, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 80, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 80, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 80, 170);  
box-shadow:4px 4px 4px 4px rgb(165, 80,  
170) }
```

Background

The CSS property to change the background color of an element to YIQ 115.6750, 21.7700, 46.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 80, 170) }
```

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

```
.background{ background-color: rgb(165, 80,  
170) }
```

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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