

Converting Colors

YIQ(103.6620, 13.4760, 20.1000)

Have a look what the booklet for
YIQ(103.6620, 13.4760, 20.1000)
contains.

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Color

**YIQ(103.6620, 13.4760,
20.1000)**

Conversions

Conversions Part 1

Format	Color
Hex	81577B
RGB	129, 87, 123
RGB Percent	51%, 34%, 48%
CMY	0.4940, 0.6589, 0.5176
CMYK	0.00, 0.33, 0.05, 0.49
HSL	309°, 19%, 42%
HSV	309°, 33%, 51%
XYZ	16.0403, 12.9133, 20.3881
YIQ	103.6620, 13.4760, 20.1000

Conversions

Conversions Part 2

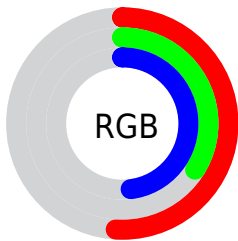
Format	Color
R_{YB}	129, 87, 123
Decimal	8476539
CIE _{Lab}	42.63, 23.58, -13.33
CIE _{LCh}	43, 27.090, 330.524
Yxy	12.9133, 0.3251, 0.2617
Android (android.graphics.Color)	4286666619 (0xFF81577B)
YUV	103.6620, 9.5336, 22.2214
Hunter-Lab	35.9351, 16.7904, -8.4841

Details

The YIQ color **103.6620, 13.4760, 20.1000** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **112.3380, -13.4760, -20.1000**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **155.2000, 14.8970, 21.8810**, and **55.5370, 12.3300, 18.8420** is the 20% darker color. If you saturate the color by 10%, you get **95.8030, 17.6930, 26.2770**, and if you desaturate by 10%, it is **111.5210, 9.2590, 13.9230**.

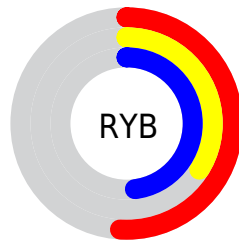
Distribution



Red (51%)

Green (34%)

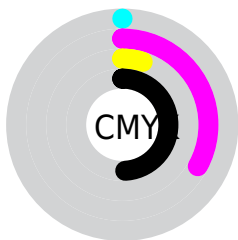
Blue (48%)



Red (51%)

Yellow (34%)

Blue (48%)

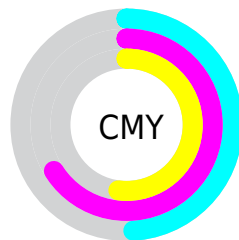


Cyan (0%)

Magenta (33%)

Yellow (5%)

Black (49%)



Cyan (49%)

Magenta (66%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 103.6620, 13.4760, 20.1000 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 103.6620, 13.4760, 20.1000 by changing the saturation by 10% instead.

■ 103.6620, 13.4760,
20.1000

■ 103.6620, 13.4760,
20.1000

■ 255.0000, -0.0000,
-0.0000

■ 78.9500, 12.6050,
19.3650

■ 155.2000, 14.8970,
21.8810

■ 55.5370, 12.3300,
18.8420

■ 182.2000, 14.8970,
21.8810

■ 32.9390, 11.1380,
18.4180

■ 209.9120, 15.7680,
22.6160

■ 13.9990, 10.9090,
17.0610

■ 233.8680, 9.9000,
18.8280

■ 0.2280, -0.6420,
0.6220

■ 250.8910, 1.9250,
3.6610

■ 0.0000, 0.0000,
0.0000

103.6620, 13.4760,
20.1000

103.6620, 13.4760,
20.1000

95.8030, 17.6930,
26.2770

111.5210, 9.2590,
13.9230

87.9440, 21.9100,
32.4540

119.3800, 5.0420,
7.7460

80.0850, 26.1270,
38.6310

127.2390, 0.8250,
1.5690

72.3400, 30.0230,
45.1190

134.9840, -3.0710,
-4.9190

64.4810, 34.2400,
51.2960

142.8430, -7.2880,
-11.0960

57.2090, 38.1820,
56.9500


150.1150,
-11.2300, -16.7500

51.2250, 41.2530,
61.8690

157.9740,
-15.4470, -22.9270

165.8330,

-19.6640, -29.1040

 173.6920,
-23.8810, -35.2810

Harmonies

Analogous

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



102.7070, -8.7600, 15.5920



103.6620, 13.4760, 20.1000



102.6930, 29.3860, 18.1060

Triad

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



103.6620, 13.4760, 20.1000



98.7680, 23.6600, -10.2920



79.7660, -70.2830, -20.3230

Complementary

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



103.6620, 13.4760, 20.1000



112.3380, -13.4760, -20.1000

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.



86.4130, -44.4240, -20.9040



103.6620, 13.4760, 20.1000



96.6840, 6.1010, -16.9630

Square

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



103.6620, 13.4760, 20.1000



100.8390, 34.0660, -0.6380



92.8970, -16.5480, -19.4920



86.4070, -61.4820, -9.1140

Rectangle

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



103.6620, 13.4760, 20.1000



102.1680, 35.1180, 13.3420



92.8970, -16.5480, -19.4920



78.9680, -68.0360, -22.5000

Sweetspot

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



103.6620, 13.4760, 20.1000



157.7930, 5.3170, 8.2690



93.5820, -9.9060, 14.3340



78.0160, 3.0710, 4.9190



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



103.6620, 13.4760, 20.1000



128.8190, 20.7640, 31.1960



101.2680, 20.2170, 13.5690



59.7770, 2.2460, 3.3500



50.6980, 41.2990, 61.0350



0.0000, 0.0000, 0.0000

Inverse Universe

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



103.6620, 13.4760, 20.1000



128.8190, 20.7640, 31.1960



114.7320, -20.2170, -13.5690



59.7770, 2.2460, 3.3500



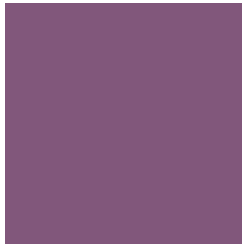
50.6980, 41.2990, 61.0350



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 103.6620, 13.4760, 20.1000 looks on a white background.

Color Contrast Check

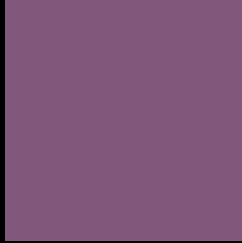
Large Text (above 18pt) WCAG AA ✓ Pass

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 103.6620, 13.4760, 20.1000 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 103.6620, 13.4760, 20.1000

Background



This preview shows how black text looks on a background with the YIQ color 103.6620, 13.4760, 20.1000.



This preview shows how white text looks on a background with the YIQ color 103.6620, 13.4760,

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

103.6620, 13.4760, 20.1000

Protanopia

101.2560, -15.0400, 8.2560

Deuteranopia

102.1060, -5.8700, 7.2660



Tritanopia

102.9640, 18.0170, 9.3850

Trichromacy



Original Color

103.6620, 13.4760, 20.1000

Protanomaly

101.8660, -4.9540, 12.6940

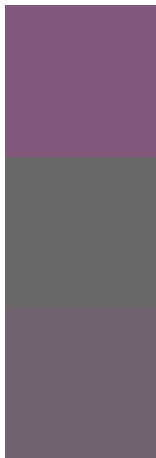
Deuteranomaly

102.8620, 0.8690, 11.7890

Tritanomaly

103.1150, 16.2740, 13.4420

Monochromacy



Original Color

103.6620, 13.4760, 20.1000

Achromatopsia

104.0000, -0.0000, -0.0000

Achromatomaly

103.9670, 4.7670, 7.2230

CSS Examples

Text

The CSS property to change the color of the text to YIQ 103.6620, 13.4760, 20.1000 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(129, 87, 123)` looks like.

```
.text, #text, p{  
    color:rgb(129, 87, 123)  
}
```

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(129, 87, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 87, 123) }
```

Border

The CSS property to change the border of an element to YIQ 103.6620, 13.4760, 20.1000 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(129, 87, 123) }
```


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

```
.border{ border-color:rgb(129, 87, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 87, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 87, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 87, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 87,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 103.6620, 13.4760, 20.1000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 87, 123) }
```

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

```
.background{ background-color: rgb(129, 87,  
123) }
```

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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