

# Converting Colors

YUV(104.6980, 24.7989,  
-20.7831)

Have a look what the booklet for  
YUV(104.6980, 24.7989, -20.7831)  
contains.

<b>YUV(104.6980, 24.7989, -20.7831)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(104.6980, 24.7989,  
-20.7831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	516B9B
RGB	81, 107, 155
RGB Percent	32%, 42%, 61%
CMY	0.6824, 0.5804, 0.3922
CMYK	0.48, 0.31, 0.00, 0.39
HSL	219°, 31%, 46%
HSV	219°, 48%, 61%
XYZ	14.5674, 14.6313, 33.0667
YIQ	104.6980, -30.9040, 9.4160

# Conversions

## Conversions Part 2

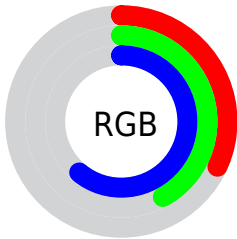
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	81, 100, 155
Decimal	5335963
CIE Lab	45.12, 4.11, -29.05
CIE LCh	45, 29.335, 278.052
Yxy	14.6313, 0.2340, 0.2350
Android (android.graphics.Color)	4283526043 (0xFF516B9B)
YUV	104.6980, 24.7989, -20.7831
Hunter-Lab	38.2509, 1.0408, -24.4788

# Details

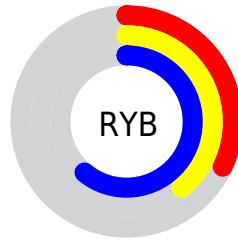
The YUV color **104.6980, 24.7989, -20.7831** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **131.3020, -24.7989, 20.7831**, and the grayscale version is **104.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.7520, 26.2513, -19.9535**, and **55.1490, 24.0835, -24.6867** is the 20% darker color. If you saturate the color by 10%, you get **94.3430, 29.9039, -24.8568**, and if you desaturate by 10%, it is **115.0530, 19.6939, -16.7095**.

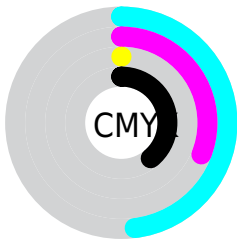
# Distribution



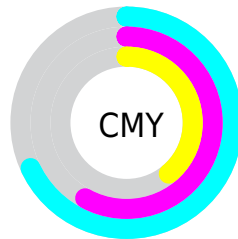
- Red (32%)
- Green (42%)
- Blue (61%)



- Red (32%)
- Yellow (39%)
- Blue (61%)



- Cyan (48%)
- Magenta (31%)
- Yellow (0%)
- Black (39%)



- Cyan (68%)
- Magenta (58%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 104.6980, 24.7989, -20.7831 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 YUV color 104.6980, 24.7989, -20.7831 by changing the saturation by 10% instead.



■ 104.6980, 24.7989,  
-20.7831

■ 104.6980, 24.7989,  
-20.7831

■ 255.0000, 0.0000,  
0.0000

■ 79.8720, 24.2201,  
-21.8127

■ 156.7520, 26.2513,  
-19.9535

■ 55.1490, 24.0835,  
-24.6867

■ 183.8660, 26.6881,  
-20.0535

■ 31.8990, 23.2208,  
-27.9754

■ 210.6120, 21.8833,  
-18.9537

■ 16.9500, 19.2516,  
-14.8651

■ 235.7190, 9.5055,  
-15.5396

■ 5.0500, 14.2723,  
-4.4289

■ 252.6080, 1.1793,  
-4.9182

■ 0.9120, 3.4944,  
-0.7998

■ 0.0000, 0.0000,

0.0000

■ 104.6980, 24.7989,  
-20.7831

■ 104.6980, 24.7989,  
-20.7831

■ 94.3430, 29.9039,  
-24.8568

■ 115.0530, 19.6939,  
-16.7095

■ 83.6890, 35.1563,  
-29.5453

■ 125.7070, 14.4414,  
-12.0210

■ 73.0350, 40.4087,  
-34.2337

■ 136.0620, 9.3364,  
-7.9474

■ 62.6800, 45.5138,  
-38.3074

■ 146.7160, 4.0840,  
-3.2589

■ 52.0260, 50.7662,  
-42.9958

■ 157.0710, -1.0210,  
0.8147

■ 49.3680, 52.0766,  
-43.2957

■ 167.7250, -6.2734,  
5.5032

■ 178.3790,  
-11.5258, 10.1916

■ 188.7340,  
-16.6309, 14.2653

■ 199.0890,  
-21.7359, 18.3389

# Harmonies

## Analogous

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



93.5150, 28.8331, -54.8257



104.6980, 24.7989, -20.7831



109.3380, 17.5814, 7.5966

# Triad

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



104.6980, 24.7989, -20.7831



107.4580, -14.5228, 38.1863



96.6400, -4.2595, -33.8873

# Complementary

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



104.6980, 24.7989, -20.7831



131.3020, -24.7989, 20.7831

# 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.



101.4660, -16.9917, -10.0557



104.6980, 24.7989, -20.7831



106.1440, -21.7630, 27.0607

# Square

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



104.6980, 24.7989, -20.7831



108.6290, -3.7611, 39.7904



103.9910, -23.1666, 10.5319



86.6110, 13.0098, -66.3108



# Rectangle

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



104.6980, 24.7989, -20.7831



109.8300, 11.4228, 22.9511



103.9910, -23.1666, 10.5319



98.7290, -9.2334, -25.1953

# Sweetspot

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



104.6980, 24.7989, -20.7831



182.0620, 9.3364, -7.9474



129.7960, -0.8854, -42.7941



90.4600, 5.6892, -4.7884



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



104.6980, 24.7989, -20.7831



123.4760, 38.2193, -31.9895



92.4260, 30.8490, -1.2506



71.6730, 2.6262, -2.3442



44.7230, 46.9716, -39.2221



3.8300, 4.5208, -3.3589



# Inverse Universe

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



106.0900, 0.4486, 42.8941



125.6460, 0.6675, 66.0855



143.5740, -30.8490, 1.2506



71.7340, 0.1311, 4.6183



47.4460, 0.7661, 81.1699

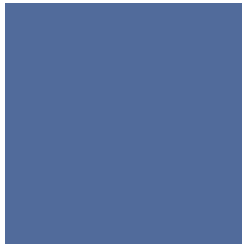


4.3430, -0.1691, 7.5922



# Previews

## White Background



This preview shows how the YUV color 104.6980, 24.7989, -20.7831 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 YUV color 104.6980, 24.7989, -20.7831 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

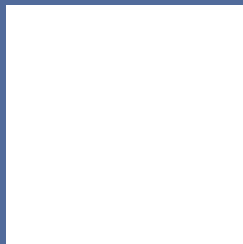
Any Text WCAG AAA × Fail

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

# YUV 104.6980, 24.7989, -20.7831 Background



This preview shows how black text looks on a background with the YUV color 104.6980, 24.7989, -20.7831.



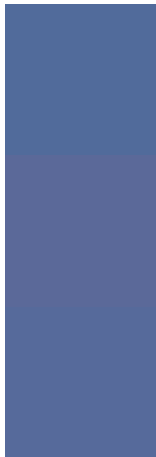
This preview shows how white text looks on a background with the YUV color 104.6980, 24.7989, -20.7831.

-20.7831.

# 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

104.6980, 24.7989, -20.7831

### Protanopia

106.2860, 23.0300, -13.4058

### Deuteranopia

105.6060, 24.3512, -17.1945



## Tritanopia

101.4680, 10.1223, -26.7204

# Trichromacy



## Original Color

104.6980, 24.7989, -20.7831

## Protanomaly

105.7910, 23.7670, -16.4797

## Deuteranomaly

105.0080, 24.6461, -18.4240

## Tritanomaly

102.8580, 15.3530, -24.4315

# Monochromacy



## Original Color

104.6980, 24.7989, -20.7831

## Achromatopsia

105.0000, 0.0000, 0.0000

## Achromatomaly

104.9480, 8.8996, -7.8474

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 104.6980, 24.7989, -20.7831 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(81, 107, 155)` looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 155)  
}
```

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(81, 107, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 155) }
```

## Border

The CSS property to change the border of an element to YUV 104.6980, 24.7989, -20.7831 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(81, 107, 155) }
```



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

```
.border{ border-color:rgb(81, 107, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 107, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 155);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
155) }
```

# Background

The CSS property to change the background color of an element to YUV 104.6980, 24.7989, -20.7831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 155) }
```

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

```
.background{ background-color: rgb(81, 107,  
155) }
```

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