

# Converting Colors

YUV(112.7800, 20.3215,  
-31.3791)

Have a look what the booklet for  
YUV(112.7800, 20.3215, -31.3791)  
contains.

<b>YUV(112.7800, 20.3215, -31.3791)</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(112.7800, 20.3215,  
-31.3791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D7B9A
RGB	77, 123, 154
RGB Percent	30%, 48%, 60%
CMY	0.6980, 0.5176, 0.3961
CMYK	0.50, 0.20, 0.00, 0.40
HSL	204°, 33%, 45%
HSV	204°, 50%, 60%
XYZ	15.9763, 18.0768, 33.2190
YIQ	112.7800, -37.3670, -0.1110

# Conversions

## Conversions Part 2

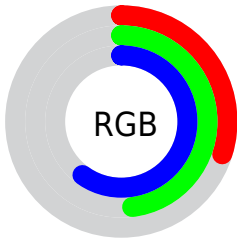
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 106, 154
Decimal	5077914
CIE <sub>Lab</sub>	49.59, -6.77, -21.55
CIE <sub>LCh</sub>	50, 22.593, 252.561
Yxy	18.0768, 0.2375, 0.2687
Android (android.graphics.Color)	4283267994 (0xFF4D7B9A)
YUV	112.7800, 20.3215, -31.3791
Hunter-Lab	42.5168, -7.3307, -16.5623

# Details

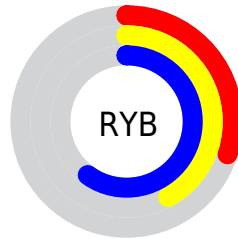
The YUV color **112.7800, 20.3215, -31.3791** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **118.2200, -20.3215, 31.3791**, and the grayscale version is **113.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **165.3070, 21.0476, -30.9642**, and **61.1600, 20.6271, -36.0973** is the 20% darker color. If you saturate the color by 10%, you get **104.7730, 24.2689, -37.5119**, and if you desaturate by 10%, it is **120.7870, 16.3740, -25.2462**.

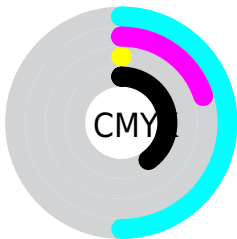
# Distribution



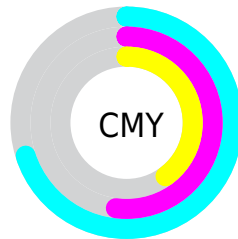
- Red (30%)
- Green (48%)
- Blue (60%)



- Red (30%)
- Yellow (42%)
- Blue (60%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)



- Cyan (70%)
- Magenta (52%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 112.7800, 20.3215, -31.3791 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 112.7800, 20.3215, -31.3791 by changing the saturation by 10% instead.



■ 112.7800, 20.3215,  
-31.3791

■ 112.7800, 20.3215,  
-31.3791

■ 255.0000, 0.0000,  
0.0000

■ 87.0680, 20.1795,  
-32.5086

■ 165.3070, 21.0476,  
-30.9642

■ 61.1600, 20.6271,  
-36.0973

■ 193.4210, 21.4844,  
-31.0642

■ 39.5300, 19.4587,  
-34.6678

■ 220.2810, 17.1165,  
-30.0644

■ 24.5810, 15.4896,  
-21.5575

■ 242.7410, 6.0437,  
-25.2059

■ 5.0500, 14.2723,  
-4.4289

■ 251.4120, 1.7689,  
-7.3773

■ 1.0260, 3.9312,  
-0.8998

■ 0.0000, 0.0000,

0.0000

■ 112.7800, 20.3215,  
-31.3791

■ 112.7800, 20.3215,  
-31.3791

■ 104.7730, 24.2689,  
-37.5119

■ 120.7870, 16.3740,  
-25.2462

■ 96.4670, 28.3638,  
-44.2596

■ 129.0930, 12.2792,  
-18.4986

■ 87.8730, 32.6006,  
-49.8776

■ 137.6870, 8.0423,  
-12.8805

■ 79.5670, 36.6955,  
-56.6253

■ 145.9930, 3.9475,  
-6.1329

■ 71.5600, 40.6429,  
-62.7581

■ 154.0000, 0.0000,  
0.0000

■ 162.0070, -3.9475,  
6.1329

■ 170.3130, -8.0423,  
12.8805

■ 178.9070,  
-12.2792, 18.4986

■ 187.2130,  
-16.3740, 25.2462

# Harmonies

## Analogous

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



108.1930, 17.1599, -44.0193



112.7800, 20.3215, -31.3791



117.7440, 18.3672, -11.1765

# Triad

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



112.7800, 20.3215, -31.3791



120.2320, -5.0444, 31.3685



113.4320, -12.0450, -10.0259

# Complementary

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



112.7800, 20.3215, -31.3791



118.2200, -20.3215, 31.3791

# 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.



115.7500, -17.6247, 6.3582



112.7800, 20.3215, -31.3791



119.1580, -12.8959, 29.6794

# Square

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



112.7800, 20.3215, -31.3791



121.0060, 4.4340, 24.5507



117.8380, -17.6681, 20.3131



111.1400, -2.5340, -27.3098



# Rectangle

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



112.7800, 20.3215, -31.3791



119.6210, 14.9768, 2.9634



117.8380, -17.6681, 20.3131



114.4820, -14.5346, -4.8077

# Sweetspot

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



112.7800, 20.3215, -31.3791



184.9860, 7.8949, -12.2657



125.7330, -8.7424, -42.7388



92.5090, 4.6791, -7.4624



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.



112.7800, 20.3215, -31.3791



136.9440, 31.5796, -49.0629



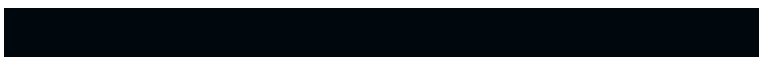
90.4740, 31.3183, -11.8167



72.2600, 2.3368, -2.8590



65.2680, 36.8429, -57.2400



6.1780, 3.3632, -5.4181



# Inverse Universe

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



105.2670, 8.7424, 42.7388



125.0880, 13.7606, 66.5748



140.5260, -31.3183, 11.8167



71.8480, 0.5679, 4.5183



51.4360, 16.0541, 77.6706



4.7990, 1.5781, 7.1923



# Previews

## White Background



This preview shows how the YUV color 112.7800, 20.3215, -31.3791 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 112.7800, 20.3215, -31.3791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

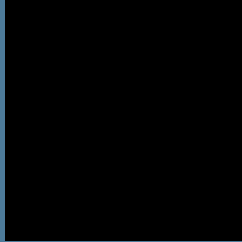
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 112.7800, 20.3215, -31.3791 Background



This preview shows how black text looks on a background with the YUV color 112.7800, 20.3215, -31.3791.



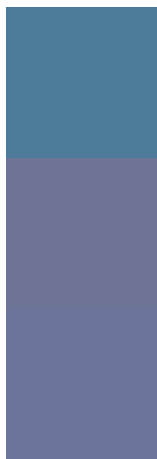
This preview shows how white text looks on a background with the YUV color 112.7800, 20.3215, -31.3791.



# 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

112.7800, 20.3215, -31.3791

### Protanopia

117.6690, 15.4462, -7.6027

### Deuteranopia

118.1680, 18.6512, -8.9173



## Tritanopia

110.6950, 12.4754, -34.8125

# Trichromacy



## Original Color

112.7800, 20.3215, -31.3791

## Protanomaly

116.0700, 17.2205, -16.7244

## Deuteranomaly

116.5260, 18.9677, -17.1243

## Tritanomaly

111.5040, 15.5275, -33.7680

# Monochromacy



## Original Color

112.7800, 20.3215, -31.3791

## Achromatopsia

113.0000, 0.0000, 0.0000

## Achromatomaly

113.1710, 7.3107, -11.5510

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 112.7800, 20.3215, -31.3791 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(77, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(77, 123, 154)  
}
```

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(77, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 123, 154) }
```

## Border

The CSS property to change the border of an element to YUV 112.7800, 20.3215, -31.3791 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(77, 123, 154) }
```



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

```
.border{ border-color:rgb(77, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(77, 123,  
154) }
```

# Background

The CSS property to change the background color of an element to YUV 112.7800, 20.3215, -31.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 123, 154) }
```

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

```
.background{ background-color: rgb(77, 123,  
154) }
```

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