

# Converting Colors

YUV(48.5910, 20.4146,  
-14.5503)

Have a look what the booklet for  
YUV(48.5910, 20.4146, -14.5503)  
contains.

<b>YUV(48.5910, 20.4146, -14.5503)</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(48.5910, 20.4146,  
-14.5503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20315A
RGB	32, 49, 90
RGB Percent	13%, 19%, 35%
CMY	0.8745, 0.8078, 0.6471
CMYK	0.64, 0.46, 0.00, 0.65
HSL	222°, 48%, 24%
HSV	222°, 64%, 35%
XYZ	3.5394, 3.2419, 10.1121
YIQ	48.5910, -23.2930, 9.1470

# Conversions

## Conversions Part 2

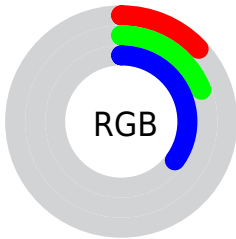
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 45, 90
Decimal	2109786
CIELab	20.99, 7.54, -26.80
CIELCh	21, 27.839, 285.712
Yxy	3.2419, 0.2095, 0.1919
Android (android.graphics.Color)	4280299866 (0xFF20315A)
YUV	48.5910, 20.4146, -14.5503
Hunter-Lab	18.0052, 3.5801, -20.6946

# Details

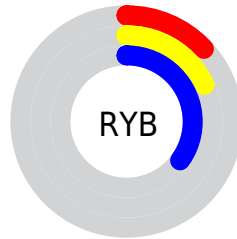
The YUV color **48.5910, 20.4146, -14.5503** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **73.4090, -20.4146, 14.5503**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **96.2430, 21.5722, -12.4911**, and **5.6030, 18.9297, -4.9138** is the 20% darker color. If you saturate the color by 10%, you get **42.3780, 23.4776, -16.9945**, and if you desaturate by 10%, it is **54.8040, 17.3516, -12.1061**.

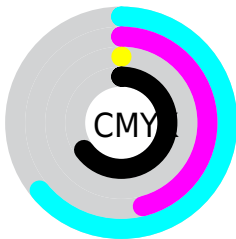
# Distribution



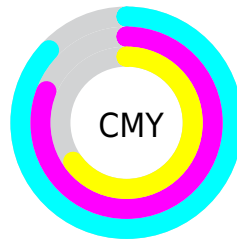
- Red (13%)
- Green (19%)
- Blue (35%)



- Red (13%)
- Yellow (18%)
- Blue (35%)



- Cyan (64%)
- Magenta (46%)
- Yellow (0%)
- Black (65%)



- Cyan (87%)
- Magenta (81%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.5910, 20.4146, -14.5503 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 48.5910, 20.4146, -14.5503 by changing the saturation by 10% instead.



■ 48.5910, 20.4146,  
-14.5503

■ 48.5910, 20.4146,  
-14.5503

■ 255.0000, 0.0000,  
0.0000

■ 24.5580, 20.4309,  
-19.7834

■ 96.2430, 21.5722,  
-12.4911

■ 5.6030, 18.9297,  
-4.9138

■ 121.1830, 22.5878,  
-11.5615

■ 3.2090, 9.7570,  
-2.8143

■ 147.2970, 23.0246,  
-11.6615

■ 0.0000, 0.0000,  
0.0000

■ 174.4110, 23.4614,  
-11.7614

■ 201.6390, 24.3350,  
-11.9614

■ 227.2020, 13.7044,

-8.9472

252.0100, 1.4741,  
-6.1478

48.5910, 20.4146,  
-14.5503

48.5910, 20.4146,  
-14.5503

42.3780, 23.4776,  
-16.9945

54.8040, 17.3516,  
-12.1061

35.5780, 26.8300,  
-18.9239

61.6040, 13.9992,  
-10.1767

29.3650, 29.8931,  
-21.3681

67.8170, 10.9362,  
-7.7325

25.5220, 31.7877,  
-22.3828

74.0300, 7.8732,  
-5.2883

80.8300, 4.5208,  
-3.3589

■ 87.0430, 1.4578,  
-0.9147

■ 93.8430, -1.8946,  
1.0147

■ 100.0560, -4.9576,  
3.4589

■ 106.2690, -8.0206,  
5.9031

# Harmonies

## Analogous

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



43.1320, 23.1059, -37.8268



48.5910, 20.4146, -14.5503



51.9210, 13.3499, 11.4703

# Triad

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



48.5910, 20.4146, -14.5503



49.6310, -13.6221, 29.2646



39.7800, 0.1085, -34.8871

# Complementary

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



48.5910, 20.4146, -14.5503



73.4090, -20.4146, 14.5503

# 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.



43.8120, -11.7393, -14.7441



48.5910, 20.4146, -14.5503



48.4310, -20.4255, 18.0390

# Square

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



48.5910, 20.4146, -14.5503



49.7700, -4.3236, 33.5277



47.0440, -20.2347, 3.4694



42.1740, 9.2812, -36.9866



# Rectangle

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



48.5910, 20.4146, -14.5503



51.6190, 8.0758, 23.1361



47.0440, -20.2347, 3.4694



38.3950, -2.6597, -33.6724

# Sweetspot

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



48.5910, 20.4146, -14.5503



101.6170, 7.5838, -5.8031



70.7200, 1.1240, -33.9574



48.9440, 4.9576, -3.4589



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



48.5910, 20.4146, -14.5503



52.5220, 31.7877, -22.3828



42.2000, 23.5654, 1.5786



42.7440, 1.6052, -1.5295



31.3240, 38.7873, -27.4711



68.1080, 83.2638, -59.7307



# Inverse Universe

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



51.2800, -1.1240, 33.9574



56.8740, -1.9099, 52.7305



79.8000, -23.5654, -1.5786



42.7230, 0.1366, 2.8739



36.5380, -2.2372, 64.4262



78.8430, -4.3596, 138.7037



# Previews

## White Background



This preview shows how the YUV color 48.5910, 20.4146, -14.5503 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 ✓ Pass



# Black Background



This preview shows how the YUV color 48.5910, 20.4146, -14.5503 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

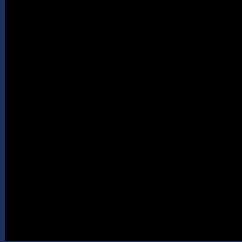
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.5910, 20.4146, -14.5503

## Background



This preview shows how black text looks on a background with the YUV color 48.5910, 20.4146, -14.5503.



This preview shows how white text looks on a background with the YUV color 48.5910, 20.4146,

-14.5503.

# 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

48.5910, 20.4146, -14.5503

### Protanopia

48.2920, 20.5620, -15.1651

### Deuteranopia

44.5680, 21.9050, -25.9311



## Tritanopia

43.8980, 7.9383, -26.2205

# Trichromacy



## Original Color

48.5910, 20.4146, -14.5503

## Protanomaly

48.2920, 20.5620, -15.1651

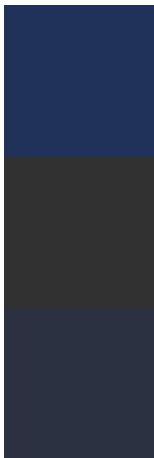
## Deuteranomaly

45.7750, 21.3099, -21.7277

## Tritanomaly

45.4840, 12.5794, -21.4725

# Monochromacy



## Original Color

48.5910, 20.4146, -14.5503

## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.9160, 7.4364, -5.1883

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.5910, 20.4146, -14.5503 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(32, 49, 90)` looks like.

```
.text, #text, p{  
    color:rgb(32, 49, 90)  
}
```

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(32, 49, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 49, 90) }
```

## Border

The CSS property to change the border of an element to YUV 48.5910, 20.4146, -14.5503 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(32, 49, 90) }
```



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

```
.border{ border-color:rgb(32, 49, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 49, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 49, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 49, 90);  
box-shadow:4px 4px 4px 4px rgb(32, 49, 90)  
}
```

# Background

The CSS property to change the background color of an element to YUV 48.5910, 20.4146, -14.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 49, 90) }
```

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

```
.background{ background-color: rgb(32, 49,  
90) }
```

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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