

Converting Colors

YUV(83.7120, 26.7640,
-44.4744)

Have a look what the booklet for
YUV(83.7120, 26.7640, -44.4744)
contains.

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Color

**YUV(83.7120, 26.7640,
-44.4744)**

Conversions

Conversions Part 1

Format	Color
Hex	21638A
RGB	33, 99, 138
RGB Percent	13%, 39%, 54%
CMY	0.8706, 0.6118, 0.4588
CMYK	0.76, 0.28, 0.00, 0.46
HSL	202°, 61%, 34%
HSV	202°, 76%, 54%
XYZ	9.6765, 11.0820, 25.6738
YIQ	83.7120, -51.8550, -1.8630

Conversions

Conversions Part 2

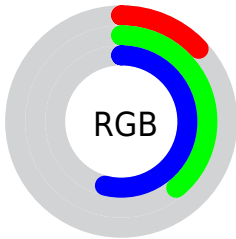
Format	Color
R_{YB}	33, 74, 138
Decimal	2188170
CIE _{Lab}	39.72, -6.70, -27.49
CIE _{LCh}	40, 28.296, 256.313
Yxy	11.0820, 0.2084, 0.2387
Android (android.graphics.Color)	4280378250 (0xFF21638A)
YUV	83.7120, 26.7640, -44.4744
Hunter-Lab	33.2896, -6.3712, -22.4232

Details

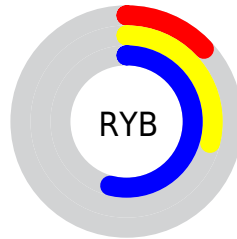
The YUV color **83.7120, 26.7640, -44.4744** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **87.2880, -26.7640, 44.4744**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.7450, 26.7477, -39.2414**, and **41.1430, 23.1005, -36.0824** is the 20% darker color. If you saturate the color by 10%, you get **76.5910, 30.2746, -50.5073**, and if you desaturate by 10%, it is **90.8330, 23.2533, -38.4415**.

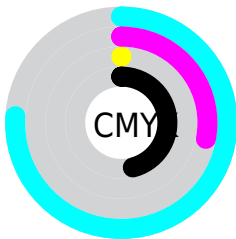
Distribution



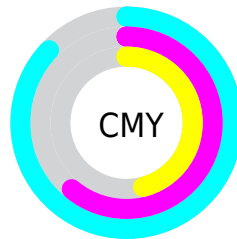
- Red (13%)
- Green (39%)
- Blue (54%)



- Red (13%)
- Yellow (29%)
- Blue (54%)



- Cyan (76%)
- Magenta (28%)
- Yellow (0%)
- Black (46%)



- Cyan (87%)
- Magenta (61%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the YUV color 83.7120, 26.7640, -44.4744 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 83.7120, 26.7640, -44.4744 by changing the saturation by 10% instead.

83.7120, 26.7640,
-44.4744

83.7120, 26.7640,
-44.4744

255.0000, 0.0000,
0.0000

56.7930, 27.2171,
-49.8075

137.7450, 26.7477,
-39.2414

41.1430, 23.1005,
-36.0824

164.5710, 27.3265,
-38.2118

26.0800, 18.6946,
-22.8722

192.5710, 27.3265,
-38.2118

6.5490, 17.4773,
-5.7435

218.1770, 18.1537,
-36.1122

2.8670, 8.4466,
-2.5144

240.3490, 7.2229,
-30.1241

0.0000, 0.0000,
0.0000

249.0200, 2.9481,

-12.2955

■ 83.7120, 26.7640,
-44.4744

■ 83.7120, 26.7640,
-44.4744

■ 76.5910, 30.2746,
-50.5073

■ 90.8330, 23.2533,
-38.4415

■ 69.4700, 33.7853,
-56.5402

■ 97.9540, 19.7427,
-32.4087

■ 66.8010, 35.1011,
-58.5845

■ 104.7760, 16.3794,
-26.9906

■ 112.4840, 12.5794,
-21.4725

■ 119.6050, 9.0687,
-15.4396

■ 126.7260, 5.5581,
-9.4067

■ 133.8470, 2.0474,
-3.3738

■ 140.6690, -1.3158,
2.0443

■ 147.7900, -4.8265,
8.0772

Harmonies

Analogous

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



75.4120, 24.9399, -66.1363



83.7120, 26.7640, -44.4744



93.3570, 22.0090, -12.5911

Triad

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



83.7120, 26.7640, -44.4744



94.6350, -6.2291, 38.0311



87.7580, -13.1917, -15.5738

Complementary

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



83.7120, 26.7640, -44.4744



87.2880, -26.7640, 44.4744

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.



90.5280, -20.9663, 4.7989



83.7120, 26.7640, -44.4744



93.9690, -16.2537, 33.3532

Square

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



83.7120, 26.7640, -44.4744



95.7510, 4.5598, 30.9134



92.8120, -21.5993, 21.2129



82.0460, -0.0227, -39.5053

Rectangle

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



83.7120, 26.7640, -44.4744



95.9140, 17.2974, 5.3374



92.8120, -21.5993, 21.2129



88.5910, -16.5604, -8.4113

Sweetspot

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



83.7120, 26.7640, -44.4744



157.0500, 10.8213, -17.5839



98.9670, -13.7877, -57.8531



76.2420, 6.2897, -10.7362



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000

Same Dimension

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



83.7120, 26.7640, -44.4744



94.4560, 41.6802, -68.8059



53.1880, 41.8123, -17.7049



65.1460, 1.9000, -2.7590



63.8830, 34.0747, -56.0254



2.3310, 1.3158, -2.0443

Inverse Universe

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



71.9190, 13.3509, 57.9530



76.3650, 20.5261, 90.0109



117.8120, -41.8123, 17.7049



64.5490, 0.7153, 3.9035



49.2290, 16.6491, 73.4672



1.8370, 0.5734, 2.7740

Previews

White Background



This preview shows how the YUV color 83.7120, 26.7640, -44.4744 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 83.7120, 26.7640, -44.4744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

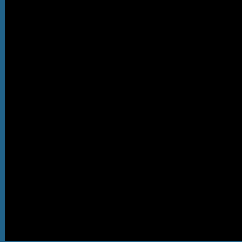
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.7120, 26.7640, -44.4744

Background



This preview shows how black text looks on a background with the YUV color 83.7120, 26.7640, -44.4744.

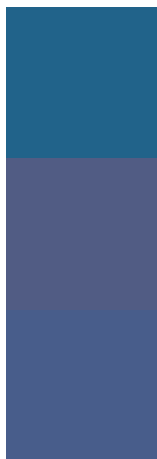


This preview shows how white text looks on a background with the YUV color 83.7120, 26.7640,

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

83.7120, 26.7640, -44.4744

Protanopia

93.2710, 19.0934, -10.7617

Deuteranopia

91.9650, 23.1883, -17.5093



Tritanopia

73.8160, 18.8247, -64.7366

Trichromacy



Original Color

83.7120, 26.7640, -44.4744

Protanomaly

90.1770, 21.6047, -22.9572

Deuteranomaly

88.9530, 24.6732, -27.1458

Tritanomaly

77.2560, 21.5658, -57.2295

Monochromacy



Original Color

83.7120, 26.7640, -44.4744

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

83.5340, 10.0897, -16.2543

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.7120, 26.7640, -44.4744 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(33, 99, 138)` looks like.

```
.text, #text, p{  
    color:rgb(33, 99, 138)  
}
```

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(33, 99, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 99, 138) }
```

Border

The CSS property to change the border of an element to YUV 83.7120, 26.7640, -44.4744 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(33, 99, 138) }
```


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

```
.border{ border-color:rgb(33, 99, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 99, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 99, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 99, 138);  
box-shadow:4px 4px 4px 4px rgb(33, 99,  
138) }
```

Background

The CSS property to change the background color of an element to YUV 83.7120, 26.7640, -44.4744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 99, 138) }
```

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

```
.background{ background-color: rgb(33, 99,  
138) }
```

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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