

Converting Colors

YUV(84.4070, 16.0683,
-20.5279)

Have a look what the booklet for
YUV(84.4070, 16.0683, -20.5279)
contains.

YUV(84.4070, 16.0683, -20.5279)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(84.4070, 16.0683,
-20.5279)**

Conversions

Conversions Part 1

Format	Color
Hex	3D5A75
RGB	61, 90, 117
RGB Percent	24%, 35%, 46%
CMY	0.7608, 0.6471, 0.5412
CMYK	0.48, 0.23, 0.00, 0.54
HSL	209°, 31%, 35%
HSV	209°, 48%, 46%
XYZ	8.7915, 9.5888, 18.2171
YIQ	84.4070, -25.9510, 2.2490

Conversions

Conversions Part 2

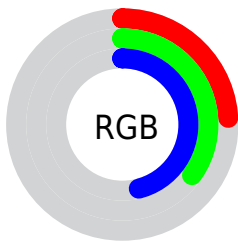
Format	Color
R_{YB}	61, 80, 117
Decimal	4020853
CIE Lab	37.09, -2.73, -18.66
CIE LCh	37, 18.863, 261.677
Yxy	9.5888, 0.2402, 0.2620
Android (android.graphics.Color)	4282210933 (0xFF3D5A75)
YUV	84.4070, 16.0683, -20.5279
Hunter-Lab	30.9658, -3.5120, -13.2041




Details

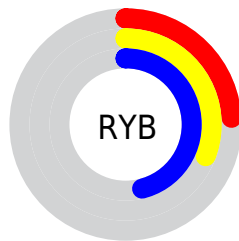
The YUV color **84.4070, 16.0683, -20.5279** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **93.5930, -16.0683, 20.5279**, and the grayscale version is **84.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **134.9340, 16.7945, -20.1131**, and **36.6730, 15.9372, -25.1462** is the 20% darker color. If you saturate the color by 10%, you get **77.2970, 19.5736, -24.8165**, and if you desaturate by 10%, it is **91.5170, 12.5631, -16.2394**.

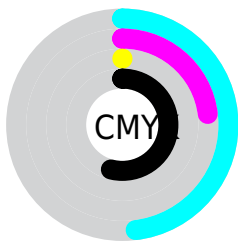
Distribution







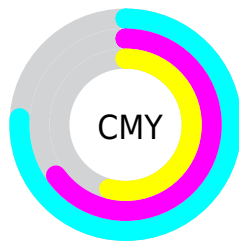
-  Red (24%)
-  Green (35%)
-  Blue (46%)






-  Red (24%)
-  Yellow (31%)
-  Blue (46%)



-  Cyan (48%)
-  Magenta (23%)
-  Yellow (0%)
-  Black (54%)



-  Cyan (76%)
-  Magenta (65%)
-  Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YUV color 84.4070, 16.0683, -20.5279 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 84.4070, 16.0683, -20.5279 by changing the saturation by 10% instead.

■ 84.4070, 16.0683,
-20.5279

■ 84.4070, 16.0683,
-20.5279

■ 255.0000, 0.0000,
0.0000

■ 60.5810, 15.4896,
-21.5575

■ 134.9340, 16.7945,
-20.1131

■ 36.6730, 15.9372,
-25.1462

■ 161.0480, 17.2313,
-20.2131

■ 19.3320, 13.1473,
-16.9542

■ 188.1620, 17.6681,
-20.3131

■ 3.5510, 11.0674,
-3.1142

■ 215.9770, 18.2523,
-21.0278

■ 0.0000, 0.0000,
0.0000

■ 241.8990, 6.4588,
-18.3284

■ 253.5050, 0.7370,

-3.0739

■ 84.4070, 16.0683,
-20.5279

■ 84.4070, 16.0683,
-20.5279

■ 77.2970, 19.5736,
-24.8165

■ 91.5170, 12.5631,
-16.2394

■ 71.0730, 22.6420,
-29.0050

■ 97.7410, 9.4947,
-12.0509

■ 63.9630, 26.1472,
-33.2936

■ 104.8510, 5.9895,
-7.7623

■ 56.8530, 29.6525,
-37.5821

■ 111.9610, 2.4842,
-3.4738

■ 50.6290, 32.7209,
-41.7706

■ 118.4840, -0.7316,
1.3295

■ 49.1450, 33.4525,
-43.1002

■ 125.2950, -4.0894,
5.0033

■ 131.8180, -7.3053,
9.8066

■ 138.9280,
-10.8105, 14.0951

■ 145.7390,
-14.1683, 17.7689

Harmonies

Analogous

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



80.3900, 15.0907, -33.6680



84.4070, 16.0683, -20.5279



88.1210, 13.2513, -3.6141

Triad

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



84.4070, 16.0683, -20.5279



88.6720, -5.7543, 25.7207



82.9740, -7.3822, -12.2552

Complementary

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



84.4070, 16.0683, -20.5279



93.5930, -16.0683, 20.5279

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.



85.5690, -13.0985, 1.2550



84.4070, 16.0683, -20.5279



88.0430, -11.8532, 21.8873

Square

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



84.4070, 16.0683, -20.5279



89.1860, 1.3873, 21.7619



86.8910, -14.7363, 13.2506



80.6610, 0.6601, -25.1357

Rectangle

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



84.4070, 16.0683, -20.5279



89.0900, 10.3086, 6.9371



86.8910, -14.7363, 13.2506



83.7250, -9.7244, -7.6518

Sweetspot

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



84.4070, 16.0683, -20.5279



140.8510, 5.9895, -7.7623



96.8360, -4.8491, -31.4282



68.7050, 4.0894, -5.0033



204.0000, 0.0000, 0.0000



77.0000, 0.0000, 0.0000

Same Dimension

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



84.4070, 16.0683, -20.5279



102.3330, 24.9788, -31.8640



68.5580, 23.8819, -6.6284



55.4450, 1.7526, -2.1443



50.8890, 35.0577, -44.6297



104.2230, 71.8681, -91.4036

Inverse Universe

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



81.0500, 4.4124, 31.5282



97.1430, 6.8315, 48.9866



109.4420, -23.8819, 6.6284



55.1360, 0.4260, 3.3887



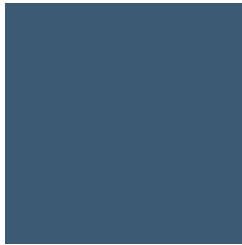
43.6600, 9.5346, 68.7042



89.4560, 19.4952, 140.7971

Previews

White Background



This preview shows how the YUV color 84.4070, 16.0683, -20.5279 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 84.4070, 16.0683, -20.5279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

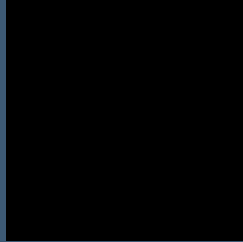
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

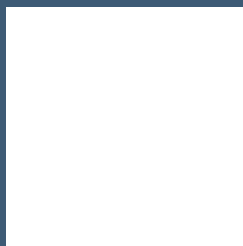
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 84.4070, 16.0683, -20.5279

Background



This preview shows how black text looks on a background with the YUV color 84.4070, 16.0683, -20.5279.

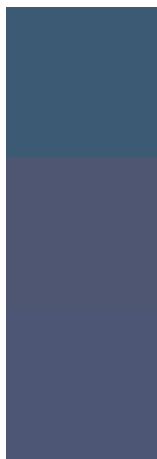


This preview shows how white text looks on a background with the YUV color 84.4070, 16.0683, -20.5279.

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

84.4070, 16.0683, -20.5279

Protanopia

87.0990, 13.2622, -7.1028

Deuteranopia

87.2560, 15.1568, -8.1175



Tritanopia

82.7350, 8.5116, -23.4466

Trichromacy



Original Color

84.4070, 16.0683, -20.5279

Protanomaly

85.7070, 14.4414, -12.0210

Deuteranomaly

86.0490, 15.7518, -12.3210

Tritanomaly

83.4300, 11.1270, -22.3021

Monochromacy



Original Color

84.4070, 16.0683, -20.5279

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

84.1500, 5.8420, -7.1476

CSS Examples

Text

The CSS property to change the color of the text to YUV 84.4070, 16.0683, -20.5279 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(61, 90, 117)` looks like.

```
.text, #text, p{  
    color:rgb(61, 90, 117)  
}
```

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(61, 90, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 90, 117) }
```

Border

The CSS property to change the border of an element to YUV 84.4070, 16.0683, -20.5279 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(61, 90, 117) }
```


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

```
.border{ border-color:rgb(61, 90, 117) }
```

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

Here you see how a box with a 4 pixel rgb(61, 90, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 90, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 90, 117);  
box-shadow:4px 4px 4px 4px rgb(61, 90,  
117) }
```

Background

The CSS property to change the background color of an element to YUV 84.4070, 16.0683, -20.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 90, 117) }
```

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

```
.background{ background-color: rgb(61, 90,  
117) }
```

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