

Converting Colors

YUV(84.2850, 21.0585,
-34.4529)

Have a look what the booklet for
YUV(84.2850, 21.0585, -34.4529)
contains.

YUV(84.2850, 21.0585, -34.4529)	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(84.2850, 21.0585,
-34.4529)**

Conversions

Conversions Part 1

Format	Color
Hex	2D607F
RGB	45, 96, 127
RGB Percent	18%, 38%, 50%
CMY	0.8235, 0.6235, 0.5020
CMYK	0.65, 0.24, 0.00, 0.50
HSL	203°, 48%, 34%
HSV	203°, 65%, 50%
XYZ	9.0958, 10.4559, 21.6175
YIQ	84.2850, -40.3470, -1.1710

Conversions

Conversions Part 2

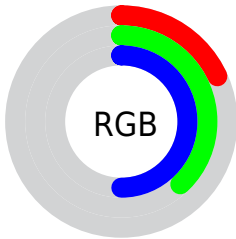
Format	Color
RYB	45, 76, 127
Decimal	2973823
CIELab	38.65, -6.85, -22.45
CIElCh	39, 23.476, 253.031
Yxy	10.4559, 0.2209, 0.2540
Android (android.graphics.Color)	4281163903 (0xFF2D607F)
YUV	84.2850, 21.0585, -34.4529
Hunter-Lab	32.3356, -6.3764, -17.0024




Details

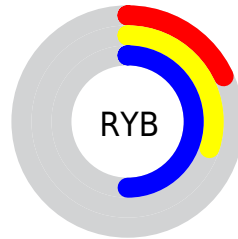
The YUV color **84.2850, 21.0585, -34.4529** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **87.7150, -21.0585, 34.4529**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.8230, 21.7793, -32.2938**, and **38.2420, 19.6007, -33.5382** is the 20% darker color. If you saturate the color by 10%, you get **77.4630, 24.4217, -39.8711**, and if you desaturate by 10%, it is **91.1070, 17.6952, -29.0348**.

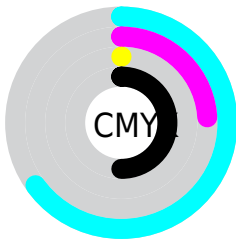
Distribution







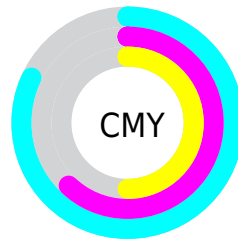
-  Red (18%)
-  Green (38%)
-  Blue (50%)






-  Red (18%)
-  Yellow (30%)
-  Blue (50%)



-  Cyan (65%)
-  Magenta (24%)
-  Yellow (0%)
-  Black (50%)



-  Cyan (82%)
-  Magenta (62%)
-  Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YUV color 84.2850, 21.0585, -34.4529 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 84.2850, 21.0585, -34.4529 by changing the saturation by 10% instead.

■ 84.2850, 21.0585,
-34.4529

■ 84.2850, 21.0585,
-34.4529

■ 255.0000, 0.0000,
0.0000

■ 56.8820, 22.2432,
-41.1155

■ 135.8230, 21.7793,
-32.2938

■ 38.2420, 19.6007,
-33.5382

■ 162.8230, 21.7793,
-32.2938

■ 23.2930, 15.6316,
-20.4280

■ 190.3500, 22.5055,
-31.8789

■ 5.0500, 14.2723,
-4.4289

■ 217.0250, 18.7217,
-31.5939

■ 0.7980, 3.0576,
-0.6998

■ 241.5450, 6.6333,
-27.6650

■ 0.0000, 0.0000,
0.0000

■ 250.2160, 2.3585,

-9.8364

■ 84.2850, 21.0585,
-34.4529

■ 84.2850, 21.0585,
-34.4529

■ 77.4630, 24.4217,
-39.8711

■ 91.1070, 17.6952,
-29.0348

■ 70.9400, 27.6376,
-44.6744

■ 97.6300, 14.4794,
-24.2315

■ 64.7050, 30.7114,
-50.6073

■ 103.8650, 11.4056,
-18.2986

■ 60.8510, 32.6115,
-53.3663

■ 110.6870, 8.0423,
-12.8805

■ 117.5090, 4.6791,
-7.4624

■ 124.0320, 1.4632,
-2.6591

■ 130.8540, -1.9000,
2.7590

■ 137.0890, -4.9739,
8.6919

■ 143.6120, -8.1897,
13.4953

Harmonies

Analogous

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



76.7080, 19.3710, -53.2409



84.2850, 21.0585, -34.4529



90.4450, 18.5146, -11.7913

Triad

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



84.2850, 21.0585, -34.4529



92.3460, -4.6076, 31.2686



86.2470, -11.4608, -10.7406

Complementary

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



84.2850, 21.0585, -34.4529



87.7150, -21.0585, 34.4529

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.



89.0380, -17.7667, 5.2287



84.2850, 21.0585, -34.4529



91.8590, -12.7485, 29.0647

Square

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



84.2850, 21.0585, -34.4529



93.7070, 4.5814, 23.9360



90.5390, -17.5207, 19.6983



82.6560, -1.8024, -28.6393

Rectangle

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



84.2850, 21.0585, -34.4529



92.6210, 14.9768, 2.9634



90.5390, -17.5207, 19.6983



87.4820, -14.5346, -4.8077

Sweetspot

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



84.2850, 21.0585, -34.4529



149.3880, 8.1897, -13.4953



96.5540, -10.6261, -45.2129



74.2100, 4.8265, -8.0772



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000

Same Dimension

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



84.2850, 21.0585, -34.4529



99.5520, 32.7589, -53.9811



60.8050, 32.6341, -13.8610



60.1460, 1.9000, -2.7590



60.9650, 33.0483, -53.4663



0.0000, 0.0000, 0.0000

Inverse Universe

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



75.3320, 10.1893, 45.3128



85.3920, 16.0757, 70.6932



111.1950, -32.6341, 13.8610



59.5490, 0.7153, 3.9035



47.2780, 15.6389, 70.7932



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YUV color 84.2850, 21.0585, -34.4529 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 84.2850, 21.0585, -34.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

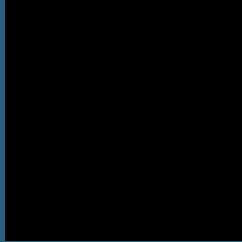
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 84.2850, 21.0585, -34.4529

Background



This preview shows how black text looks on a background with the YUV color 84.2850, 21.0585, -34.4529.



This preview shows how white text looks on a background with the YUV color 84.2850, 21.0585,

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

84.2850, 21.0585, -34.4529

Protanopia

90.3700, 15.5936, -8.2175

Deuteranopia

90.4450, 18.5146, -11.7913



Tritanopia

81.4770, 13.0758, -40.7603

Trichromacy



Original Color

84.2850, 21.0585, -34.4529

Protanomaly

88.4720, 17.5153, -17.9539

Deuteranomaly

88.0310, 19.7047, -20.1982

Tritanomaly

82.8840, 15.8332, -38.4863

Monochromacy



Original Color

84.2850, 21.0585, -34.4529

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

83.9860, 7.8949, -12.2657

CSS Examples

Text

The CSS property to change the color of the text to YUV 84.2850, 21.0585, -34.4529 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(45, 96, 127)` looks like.

```
.text, #text, p{  
    color:rgb(45, 96, 127)  
}
```

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(45, 96, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 96, 127) }
```

Border

The CSS property to change the border of an element to YUV 84.2850, 21.0585, -34.4529 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(45, 96, 127) }
```


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

```
.border{ border-color:rgb(45, 96, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 96, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 96, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 96, 127);  
box-shadow:4px 4px 4px 4px rgb(45, 96,  
127) }
```

Background

The CSS property to change the background color of an element to YUV 84.2850, 21.0585, -34.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 96, 127) }
```

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

```
.background{ background-color: rgb(45, 96,  
127) }
```

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