

Converting Colors

YUV(87.6820, -41.7482,
-49.7101)

Have a look what the booklet for
YUV(87.6820, -41.7482, -49.7101)
contains.

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Color

**YUV(87.6820, -41.7482,
-49.7101)**

Conversions

Conversions Part 1	
Format	Color
Hex	1F8503
RGB	31, 133, 3
RGB Percent	12%, 52%, 1%
CMY	0.8784, 0.4784, 0.9882
CMYK	0.77, 0.00, 0.98, 0.48
HSL	107°, 96%, 27%
HSV	107°, 98%, 52%
XYZ	8.9690, 17.0729, 2.9088
YIQ	87.6820, -19.0620, -62.0540

Conversions

Conversions Part 2

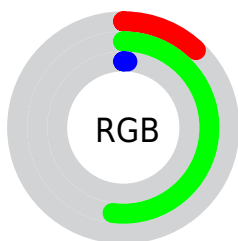
Format	Color
RYB	3, 133, 105
Decimal	2065667
CIELab	48.35, -49.74, 51.16
CIElCh	48, 71.359, 134.194
Yxy	17.0729, 0.3098, 0.5897
Android (android.graphics.Color)	4280255747 (0xFF1F8503)
YUV	87.6820, -41.7482, -49.7101
Hunter-Lab	41.3194, -33.5627, 24.7496

Details

The YUV color **87.6820, -41.7482, -49.7101** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **48.3180, 41.7482, 49.7101**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.6980, -39.2911, -44.4621**, and **48.1340, -23.7301, -42.2135** is the 20% darker color. If you saturate the color by 10%, you get **86.7420, -42.7638, -50.6397**, and if you desaturate by 10%, it is **92.1540, -37.5439, -44.8621**.

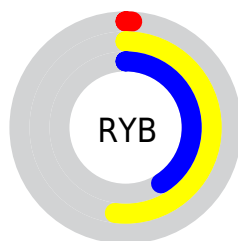
Distribution



Red (12%)

Green (52%)

Blue (1%)



Red (1%)

Yellow (52%)

Blue (41%)

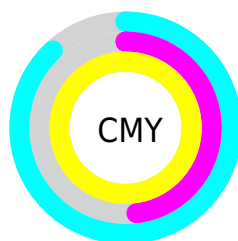


Cyan (77%)

Magenta (0%)

Yellow (98%)

Black (48%)



Cyan (88%)


Magenta (48%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.6820, -41.7482, -49.7101 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 87.6820, -41.7482, -49.7101 by changing the saturation by 10% instead.


 87.6820, -41.7482,
-49.7101

 87.6820, -41.7482,
-49.7101


255.0000, 0.0000,
0.0000

 62.8090, -30.9648,
-55.0835


 145.6980,
-39.2911, -44.4621


 48.1340, -23.7301,
-42.2135


 173.5840,
-39.7279, -44.3622


 34.0460, -16.7847,
-29.8583

 202.2420,
-41.0383, -44.0622

 21.1320, -10.4181,
-18.5328


 220.4480,
-36.7029, -34.5959


 0.0000, 0.0000,
0.0000


 232.3110,
-28.7473, -19.5667


 244.4730,


-20.9392, -3.9228


 252.2640,
-10.4832, 2.3995


 87.6820, -41.7482,
-49.7101


 87.6820, -41.7482,
-49.7101


 86.7420, -42.7638,
-50.6397

 92.1540, -37.5439,
-44.8621

 97.0390, -33.0502,
-39.4992

 101.5110,
-28.8459, -34.6511

 106.2820,
-24.7890, -29.1883

 110.8680,
-20.1479, -24.4402

■ 115.6390,
-16.0910, -18.9774

■ 120.1110,
-11.8867, -14.1293

■ 124.5830, -7.6824,
-9.2813

■ 129.4680, -3.1887,
-3.9184

Harmonies

Analogous

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



104.8140, -51.6733, 7.1791



87.6820, -41.7482, -49.7101



90.7130, -5.2815, -79.5553

Triad

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



87.6820, -41.7482, -49.7101



103.3450, 63.4269, -90.6336



97.3460, -4.1146, 106.6906

Complementary

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



87.6820, -41.7482, -49.7101



48.3180, 41.7482, 49.7101

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.



105.2830, 21.5525, 87.4518



87.6820, -41.7482, -49.7101



92.8930, 69.0728, -81.4672

Square

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



87.6820, -41.7482, -49.7101



104.1650, 46.2607, -91.3527



116.8980, 41.9553, 29.9075



104.6200, -36.7877, 86.2793

Rectangle

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



87.6820, -41.7482, -49.7101



96.6750, 12.4852, -84.7840



116.8980, 41.9553, 29.9075



96.9790, 5.9264, 106.1354

Sweetspot

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



87.6820, -41.7482, -49.7101



155.6390, -16.0910, -18.9774



101.7440, -48.6808, 27.4115



76.2900, -10.0030, -11.6553



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000

Same Dimension

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



87.6820, -41.7482, -49.7101



112.6140, -55.5187, -66.3135



83.5280, -21.4593, -70.6231



63.8210, -1.8838, -2.4740



84.6820, -41.7482, -49.7101



2.0600, -1.0156, -0.9296

Inverse Universe

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



48.3180, 41.7482, 49.7101



60.3860, 55.5187, 66.3135



52.4720, 21.4593, 70.6231



62.1790, 1.8838, 2.4740



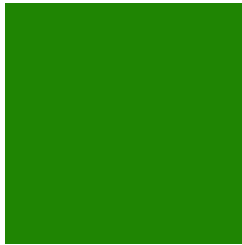
45.3180, 41.7482, 49.7101



0.9400, 1.0156, 0.9296

Previews

White Background



This preview shows how the YUV color 87.6820, -41.7482, -49.7101 looks on a white background.

Color Contrast Check

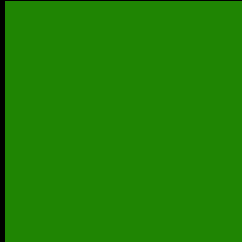
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.6820, -41.7482, -49.7101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

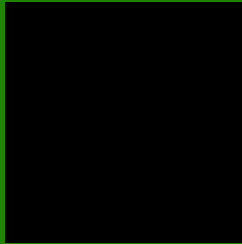
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.6820, -41.7482, -49.7101

Background



This preview shows how black text looks on a background with the YUV color 87.6820, -41.7482, -49.7101.



This preview shows how white text looks on a background with the YUV color 87.6820, -41.7482, -49.7101.

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

87.6820, -41.7482, -49.7101

Protanopia

106.0760, -52.2955, 20.1043

Deuteranopia


109.7580, -39.8137, 30.0302



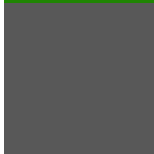
Tritanopia

106.6020, 13.5072, -39.1160

Trichromacy

	Original Color 87.6820, -41.7482, -49.7101
	Protanomaly 99.5350, -48.5778, -5.7312
	Deuteranomaly 101.7560, -40.3057, 1.0910
	Tritanomaly 99.6020, -6.7058, -42.6240

Monochromacy

	Original Color 87.6820, -41.7482, -49.7101
	Achromatopsia 88.0000, 0.0000, 0.0000
	Achromatomaly 87.5790, -15.0754, -18.0478

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.6820, -41.7482, -49.7101 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(31, 133, 3)` looks like.

```
.text, #text, p{  
    color:rgb(31, 133, 3)  
}
```

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(31, 133, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 133, 3) }
```

Border

The CSS property to change the border of an element to YUV 87.6820, -41.7482, -49.7101 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(31, 133, 3) }
```


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

```
.border{ border-color:rgb(31, 133, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 133, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 133, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 133, 3);  
box-shadow:4px 4px 4px 4px rgb(31, 133, 3)  
}
```

Background

The CSS property to change the background color of an element to YUV 87.6820, -41.7482, -49.7101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(31, 133, 3) }
```

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

```
.background{ background-color:rgb(31, 133,  
3) }
```

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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