

Converting Colors

YUV(21.8790, 20.2727,
-15.6799)

Have a look what the booklet for
YUV(21.8790, 20.2727, -15.6799)
contains.

YUV(21.8790, 20.2727, -15.6799)	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(21.8790, 20.2727,
-15.6799)**

Conversions

Conversions Part 1

Format	Color
Hex	04173F
RGB	4, 23, 63
RGB Percent	2%, 9%, 25%
CMY	0.9843, 0.9098, 0.7529
CMYK	0.94, 0.63, 0.00, 0.75
HSL	221°, 88%, 13%
HSV	221°, 94%, 25%
XYZ	1.2537, 0.9975, 4.8291
YIQ	21.8790, -24.1640, 8.4120

Conversions

Conversions Part 2

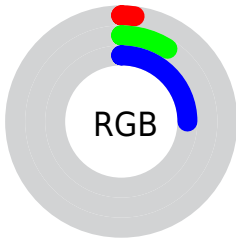
Format	Color
R_{YB}	4, 18, 63
Decimal	268095
CIE _{Lab}	8.97, 10.51, -27.74
CIE _{LCh}	9, 29.664, 290.741
Yxy	0.9975, 0.1771, 0.1409
Android (android.graphics.Color)	4278458175 (0xFF04173F)
YUV	21.8790, 20.2727, -15.6799
Hunter-Lab	9.9874, 4.9282, -21.6765

Details

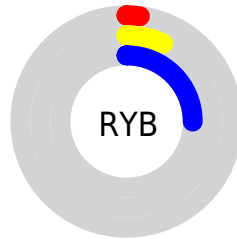
The YUV color **21.8790, 20.2727, -15.6799** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **45.1210, -20.2727, 15.6799**, and the grayscale version is **22.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **67.8520, 21.2720, -9.5172**, and **2.7530, 8.0098, -2.4144** is the 20% darker color. If you saturate the color by 10%, you get **18.9220, 21.7305, -16.5946**, and if you desaturate by 10%, it is **26.0210, 18.2306, -14.0504**.

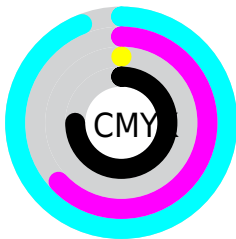
Distribution



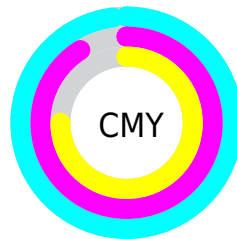
- Red (2%)
- Green (9%)
- Blue (25%)



- Red (2%)
- Yellow (7%)
- Blue (25%)



- Cyan (94%)
- Magenta (63%)
- Yellow (0%)
- Black (75%)



- Cyan (98%)
- Magenta (91%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YUV color 21.8790, 20.2727, -15.6799 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 21.8790, 20.2727, -15.6799 by changing the saturation by 10% instead.

■ 21.8790, 20.2727,
-15.6799

■ 21.8790, 20.2727,
-15.6799

■ 247.9010, 3.4998,
-2.5442

■ 4.6740, 17.9087,
-4.0991

■ 67.8520, 21.2720,
-9.5172

■ 2.7530, 8.0098,
-2.4144

■ 91.7920, 22.2875,
-8.5876

■ 0.0000, 0.0000,
0.0000

■ 117.2050, 22.5769,
-8.0728

■ 142.7320, 23.3031,
-7.6580

■ 169.2590, 24.0293,
-7.2431

■ 196.4870, 24.9029,

-7.4431

■ 222.2070, 16.1669,
-5.4435

■ 21.8790, 20.2727,
-15.6799

■ 21.8790, 20.2727,
-15.6799

■ 18.9220, 21.7305,
-16.5946

■ 26.0210, 18.2306,
-14.0504

■ 31.0490, 15.7518,
-12.3210

■ 35.1910, 13.7098,
-10.6915

■ 39.3330, 11.6678,
-9.0620

■ 43.7740, 9.4784,
-6.8178

■ 48.5030, 7.1470,
-5.7031

■ 52.6450, 5.1050,
-4.0737

■ 56.7870, 3.0630,
-2.4442

■ 61.2280, 0.8736,
-0.2000

Harmonies

Analogous

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



25.0200, 19.7101, -21.9425



21.8790, 20.2727, -15.6799



25.4160, 12.6129, 14.5442

Triad

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



21.8790, 20.2727, -15.6799



22.5920, -11.1379, 25.7908



22.5970, -2.2663, -19.8176

Complementary

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



21.8790, 20.2727, -15.6799



45.1210, -20.2727, 15.6799

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.



19.3710, -9.5499, -16.9884



21.8790, 20.2727, -15.6799



24.2760, -11.9681, 12.0359

Square

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



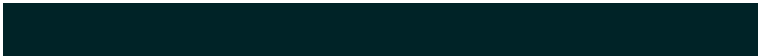
21.8790, 20.2727, -15.6799



19.8410, -5.3446, 34.3424



23.0030, -11.3405, -2.6336



24.9910, 6.9064, -21.9171

Rectangle

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



21.8790, 20.2727, -15.6799



22.6410, 8.0650, 26.6248



23.0030, -11.3405, -2.6336



20.8700, -6.3449, -18.3030

Sweetspot

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



21.8790, 20.2727, -15.6799



65.7310, 8.0206, -5.9031



43.0790, -0.0389, -34.2723



30.9440, 4.9576, -3.4589



168.0000, 0.0000, 0.0000



41.0000, 0.0000, 0.0000

Same Dimension

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



21.8790, 20.2727, -15.6799



24.6100, 28.2933, -21.5830



13.7160, 24.2970, 0.2491



28.9290, 1.0210, -0.8147



28.3260, 32.3773, -24.8419



66.9850, 76.4224, -58.7458

Inverse Universe

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



23.8070, -0.3979, 34.3723



27.4820, -0.7306, 47.8123



53.2840, -24.2970, -0.2491



29.0110, -0.0054, 1.7444



31.5260, -0.7523, 54.7897



74.4720, -1.7117, 129.3821

Previews

White Background



This preview shows how the YUV color 21.8790, 20.2727, -15.6799 looks on a white background.

Color Contrast Check

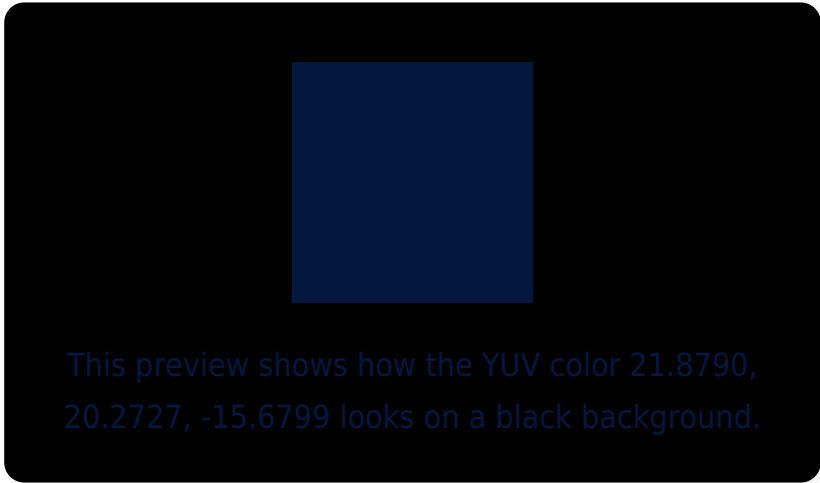
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

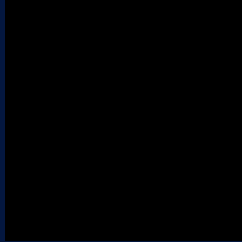
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 21.8790, 20.2727, -15.6799

Background



This preview shows how black text looks on a background with the YUV color 21.8790, 20.2727, -15.6799.



This preview shows how white text looks on a background with the YUV color 21.8790, 20.2727,

-15.6799.

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

21.8790, 20.2727, -15.6799

Protanopia

21.4180, 16.0629, -18.7836

Deuteranopia

21.0930, 12.2792, -18.4986



Tritanopia

21.1440, 4.8590, -18.5433

Trichromacy



Original Color

21.8790, 20.2727, -15.6799

Protanomaly

21.4720, 17.5153, -17.9539

Deuteranomaly

21.4890, 15.0419, -17.9689

Tritanomaly

21.0500, 10.8213, -17.5839

Monochromacy



Original Color

21.8790, 20.2727, -15.6799

Achromatopsia

22.0000, 0.0000, 0.0000

Achromatomaly

21.6170, 7.5838, -5.8031

CSS Examples

Text

The CSS property to change the color of the text to YUV 21.8790, 20.2727, -15.6799 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(4, 23, 63)` looks like.

```
.text, #text, p{  
    color:rgb(4, 23, 63)  
}
```

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(4, 23, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 23, 63) }
```

Border

The CSS property to change the border of an element to YUV 21.8790, 20.2727, -15.6799 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(4, 23, 63) }
```


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

```
.border{ border-color:rgb(4, 23, 63) }
```

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

Here you see how a box with a 4 pixel rgb(4, 23, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 23, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 23, 63); box-shadow:4px  
4px 4px 4px rgb(4, 23, 63) }
```

Background

The CSS property to change the background color of an element to YUV 21.8790, 20.2727, -15.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 23, 63) }
```

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

```
.background{ background-color: rgb(4, 23,  
63) }
```

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