

Converting Colors

YUV(20.8020, 64.1876, -7.7194)

Have a look what the booklet for
YUV(20.8020, 64.1876, -7.7194)
contains.

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Color

**YUV(20.8020, 64.1876,
-7.7194)**

Conversions

Conversions Part 1

Format	Color
Hex	0C0097
RGB	12, 0, 151
RGB Percent	5%, 0%, 59%
CMY	0.9529, 1.0000, 0.4078
CMYK	0.92, 1.00, 0.00, 0.41
HSL	245°, 100%, 30%
HSV	245°, 100%, 59%
XYZ	5.7375, 2.3125, 29.4221
YIQ	20.8020, -41.3190, 49.5050

Conversions

Conversions Part 2

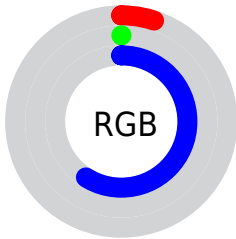
Format	Color
R_{YB}	12, 0, 151
Decimal	786583
CIE Lab	17.05, 53.69, -72.32
CIE LCh	17, 90.071, 306.589
Yxy	2.3125, 0.1531, 0.0617
Android (android.graphics.Color)	4278976663 (0xFF0C0097)
YUV	20.8020, 64.1876, -7.7194
Hunter-Lab	15.2070, 40.7350, -104.0679

Details

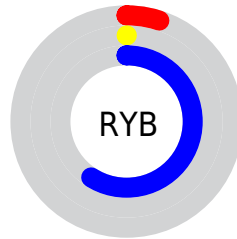
The YUV color **20.8020, 64.1876, -7.7194** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **130.1980, -64.1876, 7.7194**, and the grayscale version is **20.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **83.6900, 60.7918, 8.1649**, and **11.1720, 42.8062, -9.7978** is the 20% darker color. If you saturate the color by 10%, you get **20.8020, 64.1876, -7.7194**, and if you desaturate by 10%, it is **33.7930, 57.7831, -6.8345**.

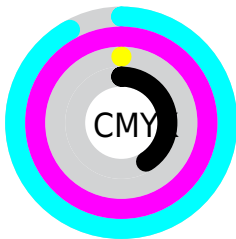
Distribution



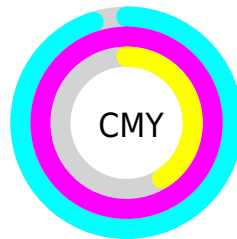
- Red (5%)
- Green (0%)
- Blue (59%)



- Red (5%)
- Yellow (0%)
- Blue (59%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)



- Cyan (95%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the YUV color 20.8020, 64.1876, -7.7194 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 20.8020, 64.1876, -7.7194 by changing the saturation by 10% instead.

■ 20.8020, 64.1876,
-7.7194

■ 20.8020, 64.1876,
-7.7194

■ 248.5430, 3.1833,
5.6628

■ 14.1360, 54.1630,
-12.3973

■ 83.6900, 60.7918,
8.1649

■ 11.1720, 42.8062,
-9.7978

■ 110.9400, 61.6546,
11.4536

■ 13.6050, 29.2817,
-11.9316

■ 137.0390, 58.1548,
13.9978

■ 8.0480, 20.6823,
-7.0581

■ 161.2710, 46.2084,
19.0563

■ 3.7790, 11.9410,
-3.3142

■ 186.0900, 33.9726,
23.6001

■ 0.0000, 0.0000,
0.0000

■ 211.7950, 21.3001,

28.2438

■ 231.5200, 11.5756,
20.5920

■ 20.8020, 64.1876,
-7.7194

■ 33.7930, 57.7831,
-6.8345

■ 46.7840, 51.3785,
-5.9496

■ 59.7750, 44.9739,
-5.0647

■ 72.7660, 38.5694,
-4.1798

■ 86.3440, 31.8754,
-3.8097

■ 99.0360, 25.6183,
-3.5396

■ 112.0270, 19.2137,
-2.6547

■ 125.0180, 12.8091,
-1.7698

■ 138.0090, 6.4046,
-0.8849

Harmonies

Analogous

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



50.9300, 63.1385, -44.6656



20.8020, 64.1876, -7.7194



47.0090, 23.6596, 64.8901

Triad

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



20.8020, 64.1876, -7.7194



30.1440, -14.8610, 53.3707



41.6040, 7.0972, -36.4867

Complementary

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



20.8020, 64.1876, -7.7194



130.1980, -64.1876, 7.7194

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.



34.6330, -17.0741, -30.3731



20.8020, 64.1876, -7.7194



38.3750, -18.9189, 1.4251

Square

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



20.8020, 64.1876, -7.7194



37.6740, -18.5733, 77.4619



32.2850, -15.9165, -28.3139



51.3620, 34.3315, -45.0445

Rectangle

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



20.8020, 64.1876, -7.7194



47.6030, 2.6607, 80.1552



32.2850, -15.9165, -28.3139



38.3950, -2.6597, -33.6724

Sweetspot

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



20.8020, 64.1876, -7.7194



145.2210, 25.0340, -2.8248



99.9810, 25.1524, -87.6833



68.5880, 14.9931, -2.2697



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000

Same Dimension

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



20.8020, 64.1876, -7.7194



27.1280, 83.2539, -9.7593



42.9280, 53.2795, 37.7741



69.9120, 3.4944, -0.7998



19.2490, 59.5302, -7.2344



1.7810, 5.5310, -0.6849

Inverse Universe

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



60.9950, 38.4565, 78.9344



79.2380, 50.1687, 102.4003



108.0720, -53.2795, -37.7741



72.1900, 1.8783, 4.2184



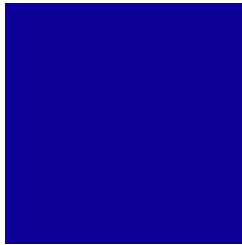
56.5660, 35.7100, 73.1716



5.2550, 3.3253, 6.7924

Previews

White Background



This preview shows how the YUV color 20.8020, 64.1876, -7.7194 looks on a white background.

Color Contrast Check

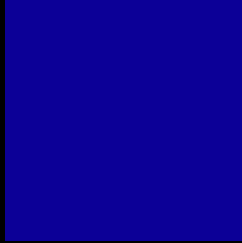
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8020, 64.1876, -7.7194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

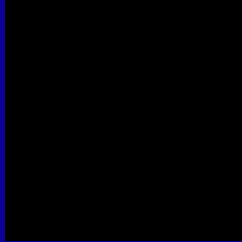
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 20.8020, 64.1876, -7.7194

Background



This preview shows how black text looks on a background with the YUV color 20.8020, 64.1876, -7.7194.



This preview shows how white text looks on a background with the YUV color 20.8020, 64.1876, -7.7194.

-7.7194.

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



Protanopia

36.4300, 27.8890, -31.9491

Deuteranopia

36.5950, 20.9057, -32.0938

Tritanopia

35.9790, 8.3914, -31.5536

Trichromacy



Protanomaly

30.6280, 41.1024, -23.3528

Deuteranomaly

30.7760, 36.5924, -23.4826

Tritanomaly

30.1260, 29.0249, -22.9125

Monochromacy



Achromatopsia

21.0000, 0.0000, 0.0000

Achromatomaly

20.7650, 23.2869, -2.4249

CSS Examples

Text

The CSS property to change the color of the text to YUV 20.8020, 64.1876, -7.7194 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(12, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(12, 0, 151)  
}
```

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(12, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 0, 151) }
```

Border

The CSS property to change the border of an element to YUV 20.8020, 64.1876, -7.7194 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(12, 0, 151) }
```

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

```
.border{ border-color:rgb(12, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(12, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(12, 0, 151)  
}
```


Background

The CSS property to change the background color of an element to YUV 20.8020, 64.1876, -7.7194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 0, 151) }
```

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

```
.background{ background-color: rgb(12, 0,  
151) }
```

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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