

Converting Colors

YUV(45.3120, 47.1742,
-10.7976)

Have a look what the booklet for
YUV(45.3120, 47.1742, -10.7976)
contains.

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Color

**YUV(45.3120, 47.1742,
-10.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	21218D
RGB	33, 33, 141
RGB Percent	13%, 13%, 55%
CMY	0.8706, 0.8706, 0.4471
CMYK	0.77, 0.77, 0.00, 0.45
HSL	240°, 62%, 34%
HSV	240°, 77%, 55%
XYZ	5.9788, 3.3341, 25.5277
YIQ	45.3120, -34.6680, 33.5880

Conversions

Conversions Part 2

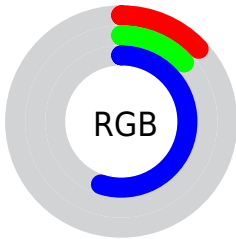
Format	Color
R_{YB}	33, 33, 141
Decimal	2171277
CIE _{Lab}	21.34, 37.92, -58.95
CIE _{LCh}	21, 70.097, 302.752
Yxy	3.3341, 0.1716, 0.0957
Android (android.graphics.Color)	4280361357 (0xFF21218D)
YUV	45.3120, 47.1742, -10.7976
Hunter-Lab	18.2596, 26.4922, -70.1083

Details

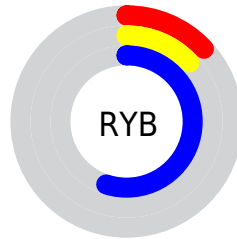
The YUV color **45.3120, 47.1742, -10.7976** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **128.6880, -47.1742, 10.7976**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.7200, 48.4520, -0.6314**, and **10.2600, 39.3118, -8.9980** is the 20% darker color. If you saturate the color by 10%, you get **32.9080, 53.2894, -12.1973**, and if you desaturate by 10%, it is **57.7160, 41.0590, -9.3979**.

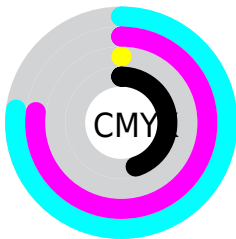
Distribution



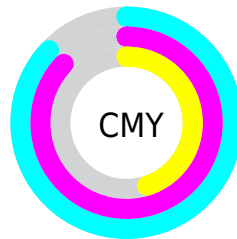
- Red (13%)
- Green (13%)
- Blue (55%)



- Red (13%)
- Yellow (13%)
- Blue (55%)



- Cyan (77%)
- Magenta (77%)
- Yellow (0%)
- Black (45%)



- Cyan (87%)
- Magenta (87%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YUV color 45.3120, 47.1742, -10.7976 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 45.3120, 47.1742, -10.7976 by changing the saturation by 10% instead.

■ 45.3120, 47.1742,
-10.7976

■ 45.3120, 47.1742,
-10.7976

■ 255.0000, 0.0000,
0.0000

■ 19.5670, 47.0485,
-17.1603

■ 97.7200, 48.4520,
-0.6314

■ 10.2600, 39.3118,
-8.9980

■ 123.3720, 49.6096,
1.4278

■ 10.9320, 26.6555,
-9.5874

■ 150.6110, 50.4778,
2.9722

■ 6.5490, 17.4773,
-5.7435

■ 174.7720, 39.5524,
7.2160

■ 2.8670, 8.4466,
-2.5144

■ 199.2920, 27.4640,
11.1449

■ 0.0000, 0.0000,
0.0000

■ 224.6980, 14.9389,

15.1739

245.0210, 4.9196,
8.7516

45.3120, 47.1742,
-10.7976

45.3120, 47.1742,
-10.7976

32.9080, 53.2894,
-12.1973

57.7160, 41.0590,
-9.3979

20.5040, 59.4045,
-13.5970

70.1200, 34.9438,
-7.9982

16.0740, 61.5885,
-14.0969

82.5240, 28.8287,
-6.5985

94.9280, 22.7135,
-5.1989

108.2180, 16.1615,
-3.6992

■ 120.6220, 10.0464,
-2.2995

■ 133.0260, 3.9312,
-0.8998

■ 145.4300, -2.1840,
0.4999

■ 157.8340, -8.2992,
1.8996

Harmonies

Analogous

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



52.6450, 51.9400, -46.1697



45.3120, 47.1742, -10.7976



44.8880, 27.1702, 58.8572

Triad

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



45.3120, 47.1742, -10.7976



44.2760, -21.8281, 47.9929



46.7730, 4.0559, -41.0199

Complementary

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



45.3120, 47.1742, -10.7976



128.6880, -47.1742, 10.7976

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.



39.3290, -19.3892, -34.4915



45.3120, 47.1742, -10.7976



48.4640, -23.8928, 10.1171

Square

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



45.3120, 47.1742, -10.7976



37.9730, -18.7207, 78.0767



36.3940, -17.9422, -31.9175



53.2880, 26.4800, -46.7336

Rectangle

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



45.3120, 47.1742, -10.7976



46.3940, 9.6658, 73.3225



36.3940, -17.9422, -31.9175



44.1340, -3.5171, -38.7055

Sweetspot

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



45.3120, 47.1742, -10.7976



145.9020, 18.7823, -4.2991



108.7080, 15.9200, -66.3959



68.9640, 11.3567, -2.5994



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000

Same Dimension

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



45.3120, 47.1742, -10.7976



34.2660, 73.8189, -16.8963



61.4580, 39.2142, 22.4003



64.7980, 3.0576, -0.6998



15.3900, 58.9677, -13.4970



0.9120, 3.4944, -0.7998

Inverse Universe

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



77.6040, 31.2542, 55.5983



84.7970, 48.9071, 87.0010



112.5420, -39.2142, -22.4003



66.8910, 2.0257, 3.6036



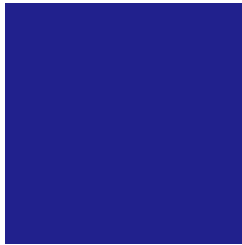
55.7550, 39.0678, 69.4979



3.3040, 2.3151, 4.1184

Previews

White Background



This preview shows how the YUV color 45.3120, 47.1742, -10.7976 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 45.3120, 47.1742, -10.7976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

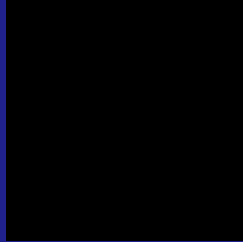
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 45.3120, 47.1742, -10.7976

Background



This preview shows how black text looks on a background with the YUV color 45.3120, 47.1742, -10.7976.



This preview shows how white text looks on a background with the YUV color 45.3120, 47.1742, -10.7976.

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

45.3120, 47.1742, -10.7976

Protanopia

41.3200, 31.3942, -36.2376

Tritanopia

40.4130, 10.1494, -35.4422

Trichromacy



Original Color

45.3120, 47.1742, -10.7976

Protanomaly

42.8680, 37.0401, -27.0712

Tritanomaly

42.0240, 23.6522, -26.3310

Monochromacy



Original Color

45.3120, 47.1742, -10.7976

Achromatopsia

45.0000, 0.0000, 0.0000

Achromatomaly

45.4460, 17.0351, -3.8991

CSS Examples

Text

The CSS property to change the color of the text to YUV 45.3120, 47.1742, -10.7976 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(33, 33, 141)` looks like.

```
.text, #text, p{  
    color:rgb(33, 33, 141)  
}
```

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(33, 33, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 33, 141) }
```

Border

The CSS property to change the border of an element to YUV 45.3120, 47.1742, -10.7976 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(33, 33, 141) }
```

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

```
.border{ border-color:rgb(33, 33, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 33, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 33, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 33, 141);  
box-shadow:4px 4px 4px 4px rgb(33, 33,  
141) }
```


Background

The CSS property to change the background color of an element to YUV 45.3120, 47.1742, -10.7976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 33, 141) }
```

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

```
.background{ background-color: rgb(33, 33,  
141) }
```

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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