

Converting Colors

YUV(37.8090, 36.5762,
-18.2495)

Have a look what the booklet for
YUV(37.8090, 36.5762, -18.2495)
contains.

YUV(37.8090, 36.5762, -18.2495)	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(37.8090, 36.5762,
-18.2495)**

Conversions

Conversions Part 1

Format	Color
Hex	112270
RGB	17, 34, 112
RGB Percent	7%, 13%, 44%
CMY	0.9333, 0.8667, 0.5608
CMYK	0.85, 0.70, 0.00, 0.56
HSL	229°, 74%, 25%
HSV	229°, 85%, 44%
XYZ	3.7278, 2.4331, 15.6024
YIQ	37.8090, -35.1700, 20.6540

Conversions

Conversions Part 2

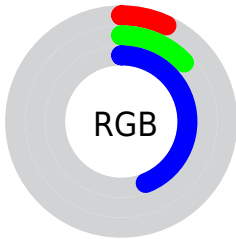
Format	Color
R_{YB}	17, 31, 112
Decimal	1122928
CIE _{Lab}	17.61, 25.00, -46.70
CIE _{LCh}	18, 52.972, 298.155
Yxy	2.4331, 0.1713, 0.1118
Android (android.graphics.Color)	4279313008 (0xFF112270)
YUV	37.8090, 36.5762, -18.2495
Hunter-Lab	15.5983, 15.3624, -48.3866

Details

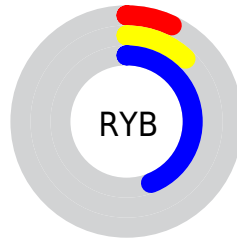
The YUV color **37.8090, 36.5762, -18.2495** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **91.1910, -36.5762, 18.2495**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **88.5160, 37.7066, -7.4685**, and **7.1820, 27.5183, -6.2986** is the 20% darker color. If you saturate the color by 10%, you get **29.2370, 40.8022, -20.3788**, and if you desaturate by 10%, it is **46.3810, 32.3502, -16.1201**.

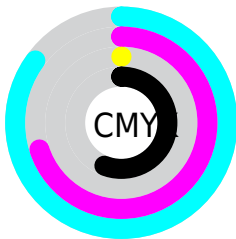
Distribution



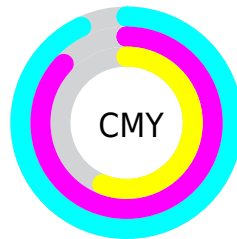
- Red (7%)
- Green (13%)
- Blue (44%)



- Red (7%)
- Yellow (12%)
- Blue (44%)



- Cyan (85%)
- Magenta (70%)
- Yellow (0%)
- Black (56%)



- Cyan (93%)
- Magenta (87%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YUV color 37.8090, 36.5762, -18.2495 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 37.8090, 36.5762, -18.2495 by changing the saturation by 10% instead.

■ 37.8090, 36.5762,
-18.2495

■ 37.8090, 36.5762,
-18.2495

■ 255.0000, 0.0000,
0.0000

■ 18.1360, 33.9500,
-15.9053

■ 88.5160, 37.7066,
-7.4685

■ 7.1820, 27.5183,
-6.2986

■ 113.7550, 38.5748,
-5.9241

■ 6.3210, 16.6037,
-5.5435

■ 139.6950, 39.5904,
-4.9945

■ 2.6390, 7.5730,
-2.3144

■ 166.6350, 40.6059,
-4.0649

■ 0.0000, 0.0000,
0.0000

■ 191.8390, 31.1384,
-0.7358

■ 216.9460, 18.7606,

2.6784

242.0530, 6.3829,
6.0925

37.8090, 36.5762,
-18.2495

37.8090, 36.5762,
-18.2495

29.2370, 40.8022,
-20.3788

46.3810, 32.3502,
-16.1201

24.5080, 43.1336,
-21.4935

54.9530, 28.1242,
-13.9908

64.4110, 23.4614,
-11.7614

72.9830, 19.2354,
-9.6321

81.5550, 15.0094,
-7.5027

■ 90.1270, 10.7834,
-5.3734

■ 98.6990, 6.5574,
-3.2440

■ 108.1570, 1.8946,
-1.0147

■ 116.7290, -2.3314,
1.1147

Harmonies

Analogous

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



43.1440, 38.3830, -37.8373



37.8090, 36.5762, -18.2495



34.6920, 24.3088, 43.2431

Triad

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



37.8090, 36.5762, -18.2495



37.7420, -18.6068, 41.4453



38.0190, 0.9766, -33.3427

Complementary

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



37.8090, 36.5762, -18.2495



91.1910, -36.5762, 18.2495

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.



32.2850, -15.9165, -28.3139



37.8090, 36.5762, -18.2495



40.8110, -20.1198, 13.3208

Square

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



37.8090, 36.5762, -18.2495



31.2960, -11.9779, 62.0074



34.7210, -17.1175, -16.4183



43.0520, 17.7224, -37.7566

Rectangle

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



37.8090, 36.5762, -18.2495



36.7400, 11.4672, 55.4790



34.7210, -17.1175, -16.4183



36.4230, -5.1385, -31.9430

Sweetspot

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



37.8090, 36.5762, -18.2495



117.2130, 13.6990, -7.2028



81.6570, 6.5781, -56.7042



56.8560, 8.4520, -4.2587



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000

Same Dimension

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



37.8090, 36.5762, -18.2495



31.7920, 55.8115, -27.8816



36.8000, 37.0736, 8.9454



51.2710, 2.3314, -1.1147



26.0070, 46.3385, -22.8081



53.9860, 95.1559, -47.3457

Inverse Universe

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



47.3430, -6.5781, 56.7042



46.3190, -10.0173, 86.5432



92.2000, -37.0736, -8.9454



51.9080, -0.4476, 3.5887



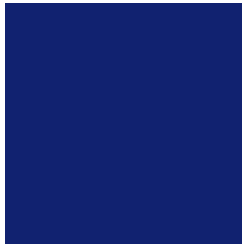
38.2740, -8.5161, 71.6737



78.8690, -17.1904, 147.4509

Previews

White Background



This preview shows how the YUV color 37.8090, 36.5762, -18.2495 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 37.8090, 36.5762, -18.2495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

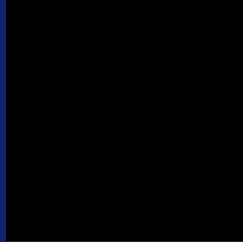
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 37.8090, 36.5762, -18.2495

Background



This preview shows how black text looks on a background with the YUV color 37.8090, 36.5762, -18.2495.



This preview shows how white text looks on a background with the YUV color 37.8090, 36.5762,

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

37.8090, 36.5762, -18.2495

Protanopia

34.8000, 26.7206, -30.5196

Deuteranopia

35.0790, 20.1741, -30.7643



Tritanopia

34.5770, 8.0965, -30.3240

Trichromacy



Original Color

37.8090, 36.5762, -18.2495

Protanomaly

35.7450, 30.1987, -26.0864

Deuteranomaly

36.0070, 26.1255, -26.3161

Tritanomaly

35.9440, 18.2686, -26.2609

Monochromacy



Original Color

37.8090, 36.5762, -18.2495

Achromatopsia

38.0000, 0.0000, 0.0000

Achromatomaly

38.0990, 13.2622, -7.1028

CSS Examples

Text

The CSS property to change the color of the text to YUV 37.8090, 36.5762, -18.2495 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(17, 34, 112)` looks like.

```
.text, #text, p{  
    color:rgb(17, 34, 112)  
}
```

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(17, 34, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 34, 112) }
```

Border

The CSS property to change the border of an element to YUV 37.8090, 36.5762, -18.2495 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(17, 34, 112) }
```


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

```
.border{ border-color:rgb(17, 34, 112) }
```

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

Here you see how a box with a 4 pixel rgb(17, 34, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 34, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 34, 112);  
box-shadow:4px 4px 4px 4px rgb(17, 34,  
112) }
```

Background

The CSS property to change the background color of an element to YUV 37.8090, 36.5762, -18.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 34, 112) }
```

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

```
.background{ background-color: rgb(17, 34,  
112) }
```

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