

# Converting Colors

YUV(36.6190, -2.2772, -16.3289)

Have a look what the booklet for  
YUV(36.6190, -2.2772, -16.3289)  
contains.

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# Color

**YUV(36.6190, -2.2772,  
-16.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	122F20
RGB	18, 47, 32
RGB Percent	7%, 18%, 13%
CMY	0.9294, 0.8157, 0.8745
CMYK	0.62, 0.00, 0.32, 0.82
HSL	149°, 45%, 13%
HSV	149°, 62%, 18%
XYZ	1.5267, 2.2659, 1.7234
YIQ	36.6190, -12.4690, -10.8130

# Conversions

## Conversions Part 2

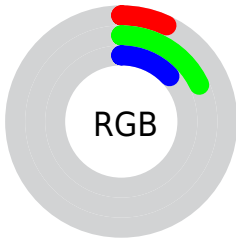
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	18, 38, 47
Decimal	1191712
CIE Lab	16.83, -15.33, 6.38
CIE LCh	17, 16.606, 157.408
Yxy	2.2659, 0.2768, 0.4108
Android (android.graphics.Color)	4279381792 (0xFF122F20)
YUV	36.6190, -2.2772, -16.3289
Hunter-Lab	15.0530, -8.2391, 3.7490

# Details

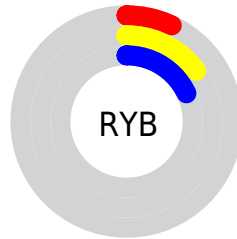
The YUV color **36.6190, -2.2772, -16.3289** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **28.3810, 2.2772, 16.3289**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **82.0920, -3.0034, -16.7437**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.8960, -2.4137, -19.2028**, and if you desaturate by 10%, it is **38.3420, -2.1406, -13.4549**.

# Distribution



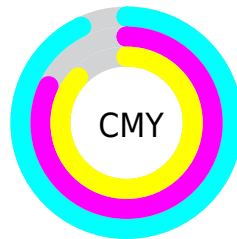
- Red (7%)
- Green (18%)
- Blue (13%)



- Red (7%)
- Yellow (15%)
- Blue (18%)



- Cyan (62%)
- Magenta (0%)
- Yellow (32%)
- Black (82%)



- Cyan (93%)
- Magenta (82%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.6190, -2.2772, -16.3289 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 36.6190, -2.2772, -16.3289 by changing the saturation by 10% instead.



■ 36.6190, -2.2772,  
-16.3289

■ 36.6190, -2.2772,  
-16.3289

■ 252.9070, 1.0318,  
-4.3034

■ 16.8750, -3.8824,  
-14.7994

■ 82.0920, -3.0034,  
-16.7437

■ 0.0000, 0.0000,  
0.0000

■ 106.6790, -3.2927,  
-17.2585

■ 132.2660, -3.5821,  
-17.7733

■ 157.9670, -3.4347,  
-18.3881

■ 185.4400, -4.1609,  
-18.8029

■ 213.1410, -4.0135,

-19.4177

■ 241.1410, -4.0135,  
-19.4177

■ 36.6190, -2.2772,  
-16.3289

■ 36.6190, -2.2772,  
-16.3289

■ 34.8960, -2.4137,  
-19.2028

■ 38.3420, -2.1406,  
-13.4549

■ 33.3580, -3.1345,  
-21.3620

■ 39.8800, -1.4198,  
-11.2958

■ 31.6350, -3.2711,  
-24.2359

■ 41.6030, -1.2833,  
-8.4218

■ 30.2110, -3.5550,  
-26.4950

■ 43.4400, -0.7099,  
-5.6479

■ 45.1630, -0.5734,  
-2.7740

■ 46.7010, 0.1474,  
-0.6148

■ 48.4240, 0.2840,  
2.2592

■ 50.1470, 0.4205,  
5.1331

■ 51.6850, 1.1413,  
7.2923

# Harmonies

## Analogous

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



38.7900, -8.2775, -5.0778



36.6190, -2.2772, -16.3289



33.1920, 5.3283, -29.1094

# Triad

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



36.6190, -2.2772, -16.3289



40.4360, 12.1101, -10.9064



41.9870, -6.8956, 18.4284

# Complementary

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



36.6190, -2.2772, -16.3289



28.3810, 2.2772, 16.3289

# 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.



42.3660, -1.6594, 18.9730



36.6190, -2.2772, -16.3289



42.6120, 8.5723, 3.8483

# Square

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



36.6190, -2.2772, -16.3289



34.1950, 14.2009, -28.2350



42.8260, 4.0298, 14.1846



41.3300, -10.5157, 12.8656



# Rectangle

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



36.6190, -2.2772, -16.3289



34.1040, 8.8227, -29.9092



42.8260, 4.0298, 14.1846



42.0410, -5.4432, 19.2580

# Sweetspot

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



36.6190, -2.2772, -16.3289



57.0270, -0.9993, -6.1627



39.5080, -10.6034, -5.7075



28.4510, -0.7153, -3.9035



158.0000, 0.0000, 0.0000



31.0000, 0.0000, 0.0000



# Same Dimension

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



36.6190, -2.2772, -16.3289



44.9230, -3.4130, -25.3655



38.2150, 3.8380, -17.7286



22.2880, -0.1420, -1.1296



55.8570, -6.8315, -48.9866



137.3600, -16.9395, -120.4647



# Inverse Universe

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



28.3810, 2.2772, 16.3289



32.0770, 3.4130, 25.3655



26.7850, -3.8380, 17.7286



21.7120, 0.1420, 1.1296



31.1430, 6.8315, 48.9866

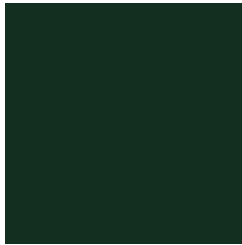


76.6400, 16.9395, 120.4647



# Previews

## White Background



This preview shows how the YUV color 36.6190, -2.2772, -16.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

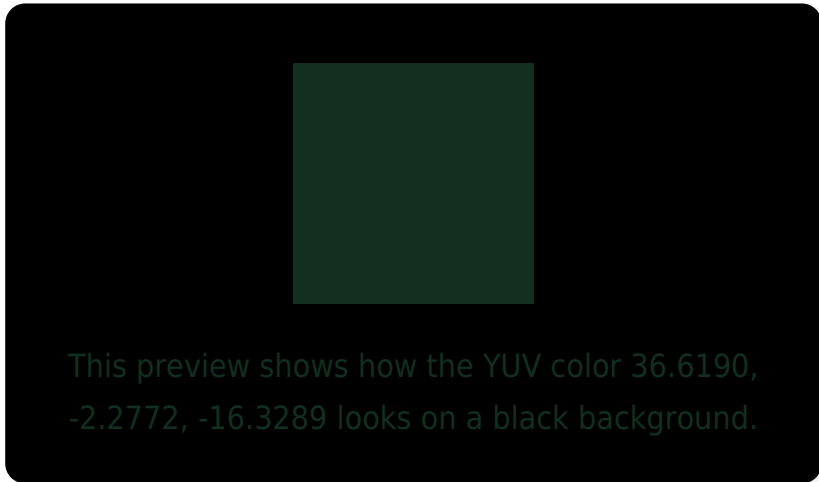
Any Text WCAG AA ✓ Pass

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

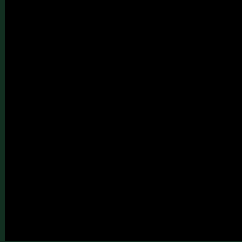
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.6190, -2.2772, -16.3289

## Background



This preview shows how black text looks on a background with the YUV color 36.6190, -2.2772, -16.3289.



This preview shows how white text looks on a background with the YUV color 36.6190, -2.2772,



# 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

36.6190, -2.2772, -16.3289

### Protanopia

41.5290, -5.6838, 3.0441

### Deuteranopia

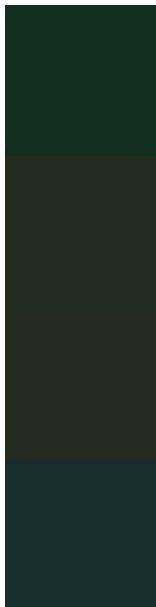
41.7080, -3.8000, 5.5181



## Tritanopia

38.8780, 4.9901, -13.9250

# Trichromacy



## Original Color

36.6190, -2.2772, -16.3289

## Protanomaly

39.8270, -4.3517, -4.2333

## Deuteranomaly

40.0660, -3.4835, -2.6889

## Tritanomaly

38.1830, 2.3748, -15.0695

# Monochromacy



## Original Color

36.6190, -2.2772, -16.3289

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.0270, -0.9993, -6.1627

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.6190, -2.2772, -16.3289 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(18, 47, 32)` looks like.

```
.text, #text, p{  
    color:rgb(18, 47, 32)  
}
```

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(18, 47, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 47, 32) }
```

## Border

The CSS property to change the border of an element to YUV 36.6190, -2.2772, -16.3289 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(18, 47, 32) }
```



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

```
.border{ border-color:rgb(18, 47, 32) }
```

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

Here you see how a box with a 4 pixel rgb(18, 47, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 47, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 47, 32);  
box-shadow:4px 4px 4px 4px rgb(18, 47, 32)  
}
```

# Background

The CSS property to change the background color of an element to YUV 36.6190, -2.2772, -16.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 47, 32) }
```

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

```
.background{ background-color: rgb(18, 47,  
32) }
```

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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