

Converting Colors

YUV(40.7710, 20.8189, -4.1842)

Have a look what the booklet for
YUV(40.7710, 20.8189, -4.1842)
contains.

YUV(40.7710, 20.8189, -4.1842)	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>	30

Color

**YUV(40.7710, 20.8189,
-4.1842)**

Conversions

Conversions Part 1

Format	Color
Hex	242353
RGB	36, 35, 83
RGB Percent	14%, 14%, 33%
CMY	0.8588, 0.8627, 0.6745
CMYK	0.57, 0.58, 0.00, 0.67
HSL	241°, 41%, 23%
HSV	241°, 58%, 33%
XYZ	2.8899, 2.2017, 8.4563
YIQ	40.7710, -14.8120, 15.1400

Conversions

Conversions Part 2

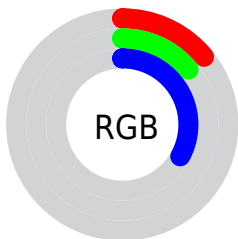
Format	Color
RYB	36, 35, 83
Decimal	2368339
CIELab	16.51, 15.92, -29.28
CIELCh	17, 33.324, 298.538
Yxy	2.2017, 0.2133, 0.1625
Android (android.graphics.Color)	4280558419 (0xFF242353)
YUV	40.7710, 20.8189, -4.1842
Hunter-Lab	14.8380, 8.7990, -23.4031

Details

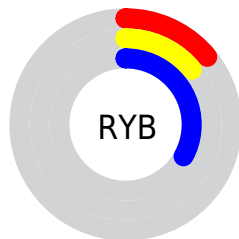
The YUV color **40.7710, 20.8189, -4.1842** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **77.2290, -20.8189, 4.1842**, and the grayscale version is **41.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **86.9500, 22.7026, -1.7102**, and **5.3920, 15.5827, -4.7288** is the 20% darker color. If you saturate the color by 10%, you get **33.6830, 24.3133, -4.9840**, and if you desaturate by 10%, it is **47.8590, 17.3245, -3.3843**.

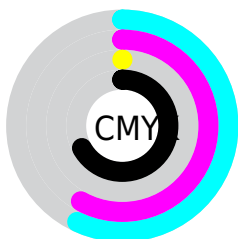
Distribution



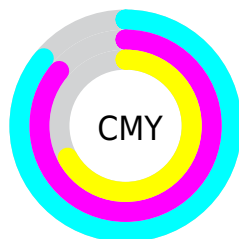
- Red (14%)
- Green (14%)
- Blue (33%)



- Red (14%)
- Yellow (14%)
- Blue (33%)



- Cyan (57%)
- Magenta (58%)
- Yellow (0%)
- Black (67%)



- Cyan (86%)
- Magenta (86%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YUV color 40.7710, 20.8189, -4.1842 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 40.7710, 20.8189, -4.1842 by changing the saturation by 10% instead.

■ 40.7710, 20.8189,
-4.1842

■ 40.7710, 20.8189,
-4.1842

■ 255.0000, 0.0000,
0.0000

■ 18.6350, 20.3929,
-7.5729

■ 86.9500, 22.7026,
-1.7102

■ 5.3920, 15.5827,
-4.7288

■ 111.4770, 23.4288,
-1.2953

■ 2.1830, 5.8258,
-1.9145

■ 137.8900, 23.7182,
-0.7805

■ 0.0000, 0.0000,
0.0000

■ 164.1180, 24.5918,
-0.9805

■ 191.0580, 25.6074,
-0.0509

■ 217.2340, 18.6186,

1.5488

■ 242.3410, 6.2409,
4.9629

■ 40.7710, 20.8189,
-4.1842

■ 40.7710, 20.8189,
-4.1842

■ 33.6830, 24.3133,
-4.9840

■ 47.8590, 17.3245,
-3.3843

■ 26.0080, 28.0971,
-5.2690

■ 55.5340, 13.5407,
-3.0993

■ 18.9200, 31.5914,
-6.0688

■ 62.6220, 10.0464,
-2.2995

■ 11.5330, 35.2332,
-7.4834

■ 70.0090, 6.4046,
-0.8849

■ 10.0600, 35.9594,
-7.0686

■ 77.6840, 2.6208,
-0.5999

■ 84.7720, -0.8736,
0.2000

■ 91.8600, -4.3680,
0.9998

■ 98.9480, -7.8624,
1.7996

■ 106.6230,
-11.6461, 2.0846

Harmonies

Analogous

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



35.9740, 26.1418, -31.5492



40.7710, 20.8189, -4.1842



40.7700, 12.4384, 23.8807

Triad

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



40.7710, 20.8189, -4.1842



38.2520, -18.8582, 28.7200



34.3830, 2.2762, -30.1539

Complementary

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



40.7710, 20.8189, -4.1842



77.2290, -20.8189, 4.1842

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.



30.9460, -8.3544, -27.1396



40.7710, 20.8189, -4.1842



38.7400, -19.0988, 12.5060

Square

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



40.7710, 20.8189, -4.1842



37.0650, -8.4130, 38.5310



36.2710, -17.8816, -4.6227



37.1190, 12.7593, -32.5534

Rectangle

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



40.7710, 20.8189, -4.1842



37.9410, 6.4381, 35.1317



36.2710, -17.8816, -4.6227



33.4710, -1.2182, -29.3541

Sweetspot

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



40.7710, 20.8189, -4.1842



91.0520, 7.8624, -1.7996



68.0610, 7.3649, -28.9945



44.2540, 4.8048, -1.0998



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000

Same Dimension

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



40.7710, 20.8189, -4.1842



42.0340, 32.0282, -6.1688



47.9470, 17.2811, 10.5705



37.4560, 1.7472, -0.3999



12.5680, 45.5690, -9.2681



27.9430, 100.6001, -20.1210

Inverse Universe

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



54.7100, 13.4540, 24.8103



63.4480, 20.9781, 38.1951



70.0530, -17.2811, -10.5705



38.6520, 1.1576, 2.0592



43.0230, 29.0757, 54.3538



95.2460, 64.9547, 119.9333

Previews

White Background



This preview shows how the YUV color 40.7710, 20.8189, -4.1842 looks on a white background.

Color Contrast Check

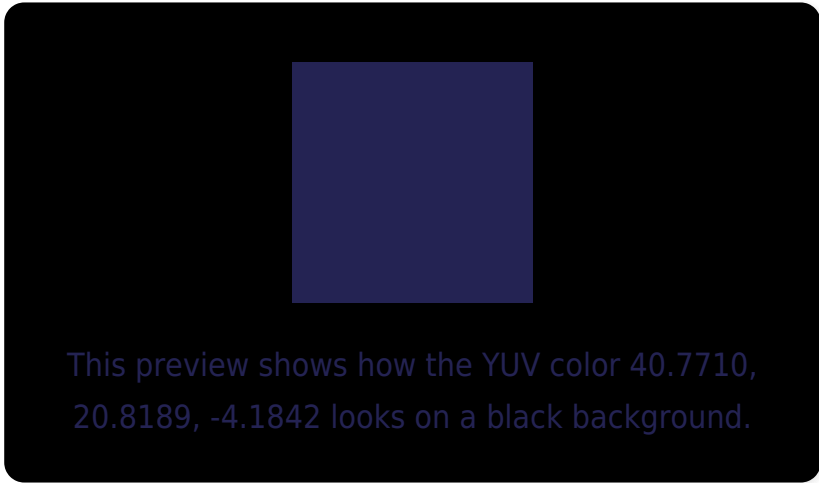
Large Text (above 18pt) WCAG AA ✓ Pass

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

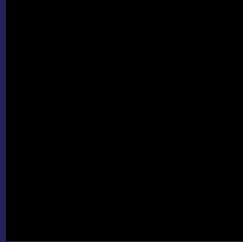
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 40.7710, 20.8189, -4.1842

Background



This preview shows how black text looks on a background with the YUV color 40.7710, 20.8189, -4.1842.



This preview shows how white text looks on a background with the YUV color 40.7710, 20.8189,

-4.1842.

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

40.7710, 20.8189, -4.1842

Protanopia

33.0560, 25.1154, -28.9901

Tritanopia

37.8780, 4.9901, -13.9250

Trichromacy



Original Color

40.7710, 20.8189, -4.1842

Protanomaly

35.7690, 23.7779, -19.9684

Tritanomaly

39.0940, 10.7997, -10.6064

Monochromacy



Original Color

40.7710, 20.8189, -4.1842

Achromatopsia

41.0000, 0.0000, 0.0000

Achromatomaly

40.9380, 7.4256, -1.6996

CSS Examples

Text

The CSS property to change the color of the text to YUV 40.7710, 20.8189, -4.1842 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(36, 35, 83)` looks like.

```
.text, #text, p{  
    color:rgb(36, 35, 83)  
}
```

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(36, 35, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 35, 83) }
```

Border

The CSS property to change the border of an element to YUV 40.7710, 20.8189, -4.1842 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(36, 35, 83) }
```

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

```
.border{ border-color:rgb(36, 35, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 35, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 35, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 35, 83);  
box-shadow:4px 4px 4px 4px rgb(36, 35, 83)  
}
```


Background

The CSS property to change the background color of an element to YUV 40.7710, 20.8189, -4.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 35, 83) }
```

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

```
.background{ background-color: rgb(36, 35,  
83) }
```

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