

Converting Colors

YUV(29.6570, 7.0711, 18.7178)

Have a look what the booklet for
YUV(29.6570, 7.0711, 18.7178)
contains.

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Color

**YUV(29.6570, 7.0711,
18.7178)**

Conversions

Conversions Part 1

Format	Color
Hex	33102C
RGB	51, 16, 44
RGB Percent	20%, 6%, 17%
CMY	0.8000, 0.9373, 0.8275
CMYK	0.00, 0.69, 0.14, 0.80
HSL	312°, 52%, 13%
HSV	312°, 69%, 20%
XYZ	2.0052, 1.2562, 2.5197
YIQ	29.6570, 11.8720, 16.1280

Conversions

Conversions Part 2

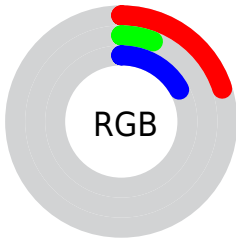
Format	Color
R_{YB}	51, 16, 44
Decimal	3346476
CIE Lab	10.97, 21.92, -10.50
CIE LCh	11, 24.309, 334.409
Yxy	1.2562, 0.3468, 0.2173
Android (android.graphics.Color)	4281536556 (0xFF33102C)
YUV	29.6570, 7.0711, 18.7178
Hunter-Lab	11.2082, 12.3194, -5.4830




Details

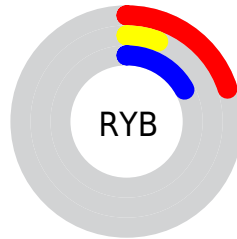
The YUV color **29.6570, 7.0711, 18.7178** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **37.3430, -7.0711, -18.7178**, and the grayscale version is **30.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **75.0810, 7.3551, 20.9770**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.6080, 8.0813, 21.3918**, and if you desaturate by 10%, it is **32.7060, 6.0609, 16.0438**.

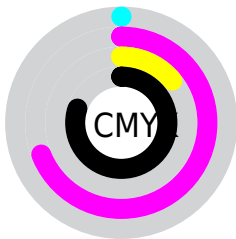
Distribution







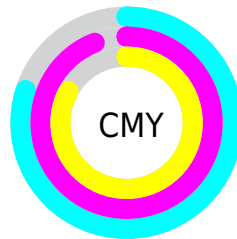
-  Red (20%)
-  Green (6%)
-  Blue (17%)






-  Red (20%)
-  Yellow (6%)
-  Blue (17%)



-  Cyan (0%)
-  Magenta (69%)
-  Yellow (14%)
-  Black (80%)



-  Cyan (80%)
-  Magenta (94%)
-  Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YUV color 29.6570, 7.0711, 18.7178 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 29.6570, 7.0711, 18.7178 by changing the saturation by 10% instead.

■ 29.6570, 7.0711,
18.7178

■ 29.6570, 7.0711,
18.7178

■ 248.5430, 3.1833,
5.6628

■ 12.3040, 5.7661,
17.2734

■ 75.0810, 7.3551,
20.9770

■ 0.0000, 0.0000,
0.0000

■ 99.3800, 7.2077,
21.5917

■ 124.7930, 7.4971,
22.1065

■ 150.5050, 7.6390,
23.2361

■ 177.2170, 7.7810,
24.3657

■ 205.2170, 7.7810,

24.3657

■ 230.9500, 9.3917,
21.0919

■ 29.6570, 7.0711,
18.7178

■ 29.6570, 7.0711,
18.7178

■ 26.6080, 8.0813,
21.3918

■ 32.7060, 6.0609,
16.0438

■ 23.5590, 9.0914,
24.0658

■ 35.7550, 5.0508,
13.3699

■ 20.5100, 10.1016,
26.7397

■ 38.8040, 4.0406,
10.6959

■ 19.9230, 10.3910,
27.2545

■ 41.8530, 3.0305,
8.0219

■ 45.4890, 1.7309,
4.8331

■ 48.5380, 0.7208,
2.1592

■ 51.5870, -0.2894,
-0.5148

■ 54.6360, -1.2995,
-3.1888

■ 57.6850, -2.3097,
-5.8627

Harmonies

Analogous

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



30.1540, 13.2351, 1.6189



29.6570, 7.0711, 18.7178



27.5780, 0.2080, 26.6801

Triad

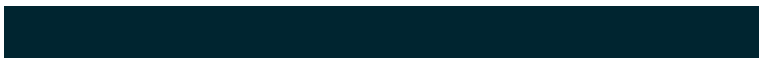
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.6570, 7.0711, 18.7178



27.7870, -13.6990, 7.2028



27.1910, 10.2588, -23.8465

Complementary

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



29.6570, 7.0711, 18.7178



37.3430, -7.0711, -18.7178

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.



25.2530, 2.8333, -22.1469



29.6570, 7.0711, 18.7178



25.9380, -12.7874, -5.2076

Square

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



29.6570, 7.0711, 18.7178



28.1520, -13.8789, 18.2837



22.6140, -4.7397, -19.8325



27.2710, 15.6424, -23.9167

Rectangle

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



29.6570, 7.0711, 18.7178



27.3840, -5.6123, 26.8502



22.6140, -4.7397, -19.8325



26.6210, 8.0748, -23.3466

Sweetspot

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



29.6570, 7.0711, 18.7178



57.5540, 3.1779, 7.4071



22.0830, 14.2561, 0.8042



28.0760, 1.4415, 4.3183



161.0000, 0.0000, 0.0000



33.0000, 0.0000, 0.0000

Same Dimension

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



29.6570, 7.0711, 18.7178



33.0480, 10.8223, 28.8989



27.7190, -0.3545, 20.4174



24.1250, 0.4314, 1.6444



34.7050, 17.8934, 47.6167



84.6050, 43.5787, 116.1104

Inverse Universe

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



29.6570, 7.0711, 18.7178



33.0480, 10.8223, 28.8989



39.3950, 0.7913, -20.5174



24.1250, 0.4314, 1.6444



34.7050, 17.8934, 47.6167



84.6050, 43.5787, 116.1104

Previews

White Background



This preview shows how the YUV color 29.6570, 7.0711, 18.7178 looks on a white background.

Color Contrast Check

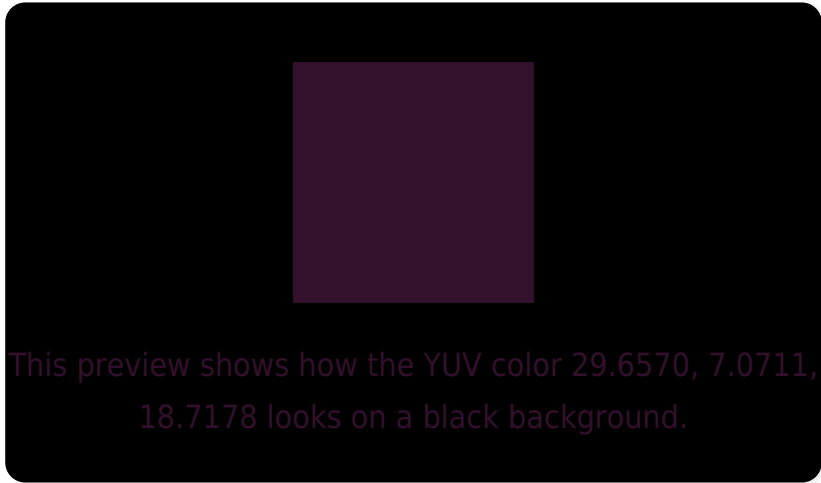
Large Text (above 18pt) WCAG AA ✓ Pass

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

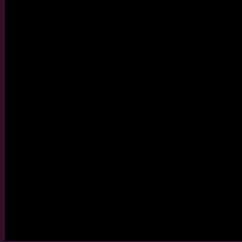
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 29.6570, 7.0711, 18.7178

Background



This preview shows how black text looks on a background with the YUV color 29.6570, 7.0711, 18.7178.



This preview shows how white text looks on a background with the YUV color 29.6570, 7.0711, 18.7178.

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

29.6570, 7.0711, 18.7178

Protanopia

29.3760, 13.1256, -9.9768

Deuteranopia

30.4710, 5.6838, -3.0441



Tritanopia

30.3010, -3.1064, 16.3990

Trichromacy



Original Color

29.6570, 7.0711, 18.7178

Protanomaly

29.5730, 11.0565, 0.3745

Deuteranomaly

30.3410, 6.2409, 4.9629

Tritanomaly

30.2240, 0.3826, 17.3436

Monochromacy



Original Color

29.6570, 7.0711, 18.7178

Achromatopsia

30.0000, 0.0000, 0.0000

Achromatomaly

30.0270, 2.4517, 6.9923

CSS Examples

Text

The CSS property to change the color of the text to YUV 29.6570, 7.0711, 18.7178 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(51, 16, 44)` looks like.

```
.text, #text, p{  
    color:rgb(51, 16, 44)  
}
```

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(51, 16, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 16, 44) }
```

Border

The CSS property to change the border of an element to YUV 29.6570, 7.0711, 18.7178 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(51, 16, 44) }
```


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

```
.border{ border-color:rgb(51, 16, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 16, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 16, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 16, 44);  
box-shadow:4px 4px 4px 4px rgb(51, 16, 44)  
}
```

Background

The CSS property to change the background color of an element to YUV 29.6570, 7.0711, 18.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 16, 44) }
```

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

```
.background{ background-color: rgb(51, 16,  
44) }
```

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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