

Converting Colors

YUV(77.4800, 45.6124,
-23.2230)

Have a look what the booklet for
YUV(77.4800, 45.6124, -23.2230)
contains.

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Color

**YUV(77.4800, 45.6124,
-23.2230)**

Conversions

Conversions Part 1

Format	Color
Hex	3349AA
RGB	51, 73, 170
RGB Percent	20%, 29%, 67%
CMY	0.8000, 0.7137, 0.3333
CMYK	0.70, 0.57, 0.00, 0.33
HSL	229°, 54%, 43%
HSV	229°, 70%, 67%
XYZ	11.0035, 8.3712, 39.0661
YIQ	77.4800, -44.2490, 25.5030

Conversions

Conversions Part 2

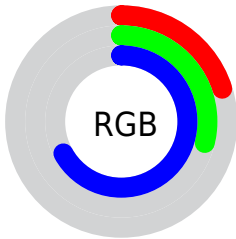
Format	Color
RYB	51, 70, 170
Decimal	3361194
CIELab	34.74, 24.96, -54.63
CIELCh	35, 60.059, 294.559
Yxy	8.3712, 0.1883, 0.1432
Android (android.graphics.Color)	4281551274 (0xFF3349AA)
YUV	77.4800, 45.6124, -23.2230
Hunter-Lab	28.9330, 17.2525, -59.8018

Details

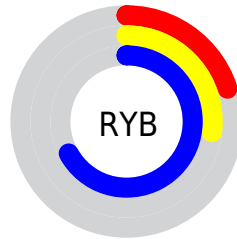
The YUV color **77.4800, 45.6124, -23.2230** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **143.5200, -45.6124, 23.2230**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.2790, 47.1905, -16.0307**, and **30.9480, 42.4236, -27.1414** is the 20% darker color. If you saturate the color by 10%, you get **64.1790, 52.1698, -26.4670**, and if you desaturate by 10%, it is **90.7810, 39.0550, -19.9789**.

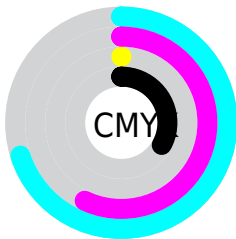
Distribution



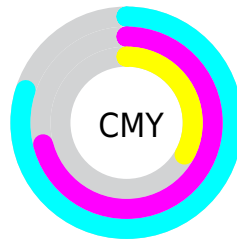
- Red (20%)
- Green (29%)
- Blue (67%)



- Red (20%)
- Yellow (27%)
- Blue (67%)



- Cyan (70%)
- Magenta (57%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (71%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the YUV color 77.4800, 45.6124, -23.2230 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 77.4800, 45.6124, -23.2230 by changing the saturation by 10% instead.

■ 77.4800, 45.6124,
-23.2230

■ 77.4800, 45.6124,
-23.2230

■ 255.0000, 0.0000,
0.0000

■ 46.2390, 47.7032,
-40.5516

■ 130.2790, 47.1905,
-16.0307

■ 30.9480, 42.4236,
-27.1414

■ 157.5180, 48.0586,
-14.4863

■ 16.2440, 36.8547,
-14.2460

■ 181.4510, 36.2597,
-10.0425

■ 10.5730, 27.8185,
-9.2725

■ 206.5580, 23.8819,
-6.6284

■ 6.7770, 18.3509,
-5.9434

■ 231.9640, 11.3567,
-2.5994

■ 3.0950, 9.3202,
-2.7143

■ 0.0000, 0.0000,

0.0000

■ 77.4800, 45.6124,
-23.2230

■ 77.4800, 45.6124,
-23.2230

■ 64.1790, 52.1698,
-26.4670

■ 90.7810, 39.0550,
-19.9789

■ 50.8780, 58.7271,
-29.7110

■ 104.0820, 32.4976,
-16.7349

■ 37.5770, 65.2845,
-32.9550

■ 117.3830, 25.9402,
-13.4909

■ 130.0970, 19.6722,
-9.7321

■ 143.3980, 13.1148,
-6.4880

■ 156.6990, 6.5574,
-3.2440

■ 170.0000, 0.0000,
0.0000

■ 183.3010, -6.5574,
3.2440

■ 196.6020,
-13.1148, 6.4880

Harmonies

Analogous

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



73.7090, 51.4155, -64.6428



77.4800, 45.6124, -23.2230



80.7180, 28.2400, 42.3433

Triad

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



77.4800, 45.6124, -23.2230



74.1560, -36.5589, 59.4992



67.3810, 1.7842, -59.0931

Complementary

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



77.4800, 45.6124, -23.2230



143.5200, -45.6124, 23.2230

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.



59.5780, -20.4980, -52.2499



77.4800, 45.6124, -23.2230



77.4910, -38.2031, 26.7564

Square

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



77.4800, 45.6124, -23.2230



66.1830, -10.4432, 83.1545



71.9550, -35.4738, -8.7305



73.5540, 22.8979, -64.5069

Rectangle

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



77.4800, 45.6124, -23.2230



70.3860, 18.5437, 72.4525



71.9550, -35.4738, -8.7305



64.8560, -5.3520, -56.8787

Sweetspot

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



77.4800, 45.6124, -23.2230



185.6410, 17.9250, -9.3322



131.6830, 7.0583, -70.7590



90.1270, 10.7834, -5.3734



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000

Same Dimension

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



77.4800, 45.6124, -23.2230



76.8630, 71.5525, -36.7139



75.3300, 46.6723, 10.2346



77.4990, 3.2050, -1.3146



32.7210, 56.8325, -28.6963



4.6280, 7.5784, -4.0588

Inverse Universe

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



89.0890, -7.9319, 70.9589



94.9030, -12.2772, 111.4641



145.6700, -46.6723, -10.2346



78.5060, -0.7425, 4.8182



47.3300, -10.0227, 88.2876



6.4360, -1.2009, 11.8956

Previews

White Background



This preview shows how the YUV color 77.4800, 45.6124, -23.2230 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 77.4800, 45.6124, -23.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

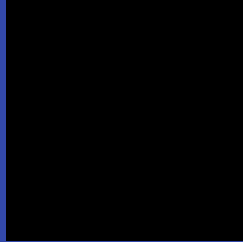
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 77.4800, 45.6124, -23.2230

Background



This preview shows how black text looks on a background with the YUV color 77.4800, 45.6124, -23.2230.



This preview shows how white text looks on a background with the YUV color 77.4800, 45.6124,

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

77.4800, 45.6124, -23.2230

Protanopia

64.8240, 50.3728, -56.8506

Deuteranopia

65.1370, 38.8795, -57.1251



Tritanopia

63.8880, 16.3242, -56.0298

Trichromacy



Original Color

77.4800, 45.6124, -23.2230

Protanomaly

69.4450, 48.5876, -44.2403

Deuteranomaly

69.4960, 41.1675, -44.2850

Tritanomaly

69.1250, 27.0534, -43.9596

Monochromacy



Original Color

77.4800, 45.6124, -23.2230

Achromatopsia

77.0000, 0.0000, 0.0000

Achromatomaly

77.5980, 16.4672, -8.4174

CSS Examples

Text

The CSS property to change the color of the text to YUV 77.4800, 45.6124, -23.2230 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, 73, 170)` looks like.

```
.text, #text, p{  
    color:rgb(51, 73, 170)  
}
```

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, 73, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 73, 170) }
```

Border

The CSS property to change the border of an element to YUV 77.4800, 45.6124, -23.2230 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, 73, 170) }
```


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

```
.border{ border-color:rgb(51, 73, 170) }
```

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

Here you see how a box with a 4 pixel rgb(51, 73, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 73, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 73, 170);  
box-shadow:4px 4px 4px 4px rgb(51, 73,  
170) }
```

Background

The CSS property to change the background color of an element to YUV 77.4800, 45.6124, -23.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 73, 170) }
```

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

```
.background{ background-color: rgb(51, 73,  
170) }
```

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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