

Converting Colors

YUV(68.4220, 40.2180,
-19.6641)

Have a look what the booklet for
YUV(68.4220, 40.2180, -19.6641)
contains.

YUV(68.4220, 40.2180, -19.6641)	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(68.4220, 40.2180,
-19.6641)**

Conversions

Conversions Part 1

Format	Color
Hex	2E4096
RGB	46, 64, 150
RGB Percent	18%, 25%, 59%
CMY	0.8196, 0.7490, 0.4118
CMYK	0.69, 0.57, 0.00, 0.41
HSL	230°, 53%, 38%
HSV	230°, 69%, 59%
XYZ	8.4651, 6.4496, 29.6529
YIQ	68.4220, -38.3340, 22.9300

Conversions

Conversions Part 2

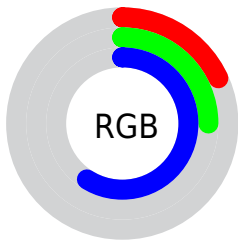
Format	Color
R_{YB}	46, 61, 150
Decimal	3031190
CIE _{Lab}	30.52, 22.77, -49.43
CIE _{LCh}	31, 54.426, 294.736
Yxy	6.4496, 0.1899, 0.1447
Android (android.graphics.Color)	4281221270 (0xFF2E4096)
YUV	68.4220, 40.2180, -19.6641
Hunter-Lab	25.3961, 15.0550, -51.4506

Details

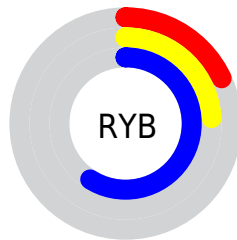
The YUV color **68.4220, 40.2180, -19.6641** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **127.5780, -40.2180, 19.6641**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **119.9220, 41.9435, -13.0866**, and **24.6730, 36.1502, -21.6382** is the 20% darker color. If you saturate the color by 10%, you get **56.8930, 45.9018, -22.7082**, and if you desaturate by 10%, it is **79.9510, 34.5342, -16.6200**.

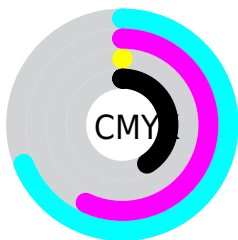
Distribution



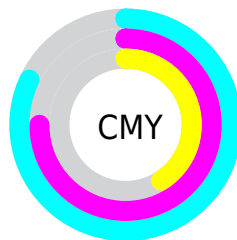
- Red (18%)
- Green (25%)
- Blue (59%)



- Red (18%)
- Yellow (24%)
- Blue (59%)



- Cyan (69%)
- Magenta (57%)
- Yellow (0%)
- Black (41%)



- Cyan (82%)
- Magenta (75%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the YUV color 68.4220, 40.2180, -19.6641 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 68.4220, 40.2180, -19.6641 by changing the saturation by 10% instead.

■ 68.4220, 40.2180,
-19.6641

■ 68.4220, 40.2180,
-19.6641

■ 255.0000, 0.0000,
0.0000

■ 38.7900, 42.0085,
-34.0188

■ 119.9220, 41.9435,
-13.0866

■ 24.6730, 36.1502,
-21.6382

■ 146.7480, 42.5222,
-12.0570

■ 8.4360, 32.3231,
-7.3984

■ 172.8900, 40.4802,
-10.4275

■ 8.0480, 20.6823,
-7.0581

■ 197.4100, 28.3919,
-6.4986

■ 4.3660, 11.6516,
-3.8290

■ 222.5170, 16.0141,
-3.0844

■ 0.0000, 0.0000,
0.0000

■ 247.9230, 3.4890,

0.9445

■ 68.4220, 40.2180,
-19.6641

■ 68.4220, 40.2180,
-19.6641

■ 56.8930, 45.9018,
-22.7082

■ 79.9510, 34.5342,
-16.6200

■ 44.7770, 51.8749,
-25.2374

■ 92.0670, 28.5610,
-14.0908

■ 33.2480, 57.5587,
-28.2815

■ 103.5960, 22.8772,
-11.0467

■ 32.3620, 57.9955,
-28.3815

■ 115.7120, 16.9040,
-8.5174

■ 127.2410, 11.2202,
-5.4734

■ 138.7700, 5.5364,
-2.4293

■ 150.8860, -0.4368,
0.1000

■ 162.4150, -6.1206,
3.1440

■ 174.5310,
-12.0938, 5.6733

Harmonies

Analogous

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



64.8580, 45.4260, -56.8805



68.4220, 40.2180, -19.6641



70.8870, 25.1987, 37.8101

Triad

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



68.4220, 40.2180, -19.6641



65.5510, -32.3166, 52.1368



59.4250, 1.7625, -52.1157

Complementary

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



68.4220, 40.2180, -19.6641



127.5780, -40.2180, 19.6641

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.



52.3060, -17.8989, -45.8724



68.4220, 40.2180, -19.6641



68.3210, -33.6823, 23.3975

Square

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



68.4220, 40.2180, -19.6641



58.9430, -9.8319, 73.7180



63.4050, -31.2587, -7.3712



64.9140, 20.2554, -56.9296

Rectangle

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



68.4220, 40.2180, -19.6641



62.3480, 16.0974, 63.7158



63.4050, -31.2587, -7.3712



57.1280, -4.5001, -50.1013

Sweetspot

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



68.4220, 40.2180, -19.6641



161.7830, 15.8830, -7.7027



116.7380, 7.0312, -62.0372



78.0840, 9.3256, -4.4587



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000

Same Dimension

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



68.4220, 40.2180, -19.6641



67.7900, 62.2215, -30.5108



67.7230, 40.5626, 9.8899



68.3850, 2.7682, -1.2146



29.8200, 53.3327, -26.1521



2.3140, 3.7892, -2.0294

Inverse Universe

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



79.1480, -7.4680, 62.1372



84.3310, -11.5022, 96.1797



128.2770, -40.5626, -9.8899



69.2070, -0.5951, 4.2035



43.9980, -9.8590, 82.4398



3.2180, -0.6005, 5.9478

Previews

White Background



This preview shows how the YUV color 68.4220, 40.2180, -19.6641 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 68.4220, 40.2180, -19.6641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

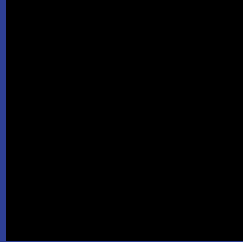
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 68.4220, 40.2180, -19.6641

Background



This preview shows how black text looks on a background with the YUV color 68.4220, 40.2180, -19.6641.



This preview shows how white text looks on a background with the YUV color 68.4220, 40.2180,

-19.6641.

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

68.4220, 40.2180, -19.6641

Protanopia

57.2610, 44.2413, -50.2179

Deuteranopia

57.9160, 34.0584, -50.7923



Tritanopia

56.7640, 14.4133, -49.7820

Trichromacy



Original Color

68.4220, 40.2180, -19.6641

Protanomaly

61.2840, 42.7510, -38.8371

Deuteranomaly

61.5630, 36.2044, -39.0818

Tritanomaly

60.9470, 23.6901, -38.5415

Monochromacy



Original Color

68.4220, 40.2180, -19.6641

Achromatopsia

68.0000, 0.0000, 0.0000

Achromatomaly

68.4410, 14.5726, -7.4028

CSS Examples

Text

The CSS property to change the color of the text to YUV 68.4220, 40.2180, -19.6641 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(46, 64, 150)` looks like.

```
.text, #text, p{  
    color:rgb(46, 64, 150)  
}
```

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(46, 64, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 64, 150) }
```

Border

The CSS property to change the border of an element to YUV 68.4220, 40.2180, -19.6641 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(46, 64, 150) }
```


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

```
.border{ border-color:rgb(46, 64, 150) }
```

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

Here you see how a box with a 4 pixel rgb(46, 64, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 64, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 64, 150);  
box-shadow:4px 4px 4px 4px rgb(46, 64,  
150) }
```

Background

The CSS property to change the background color of an element to YUV 68.4220, 40.2180, -19.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 64, 150) }
```

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

```
.background{ background-color: rgb(46, 64,  
150) }
```

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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