

Converting Colors

YUV(80.6790, 64.2483, 19.5755)

Have a look what the booklet for
YUV(80.6790, 64.2483, 19.5755)
contains.

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Color

**YUV(80.6790, 64.2483,
19.5755)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 672CD3 |
| RGB | 103, 44, 211 |
| RGB Percent | 40%, 17%, 83% |
| CMY | 0.5961, 0.8275, 0.1725 |
| CMYK | 0.51, 0.79, 0.00, 0.17 |
| HSL | 261°, 65%, 50% |
| HSV | 261°, 79%, 83% |
| XYZ | 18.2521, 9.3881, 62.4781 |
| YIQ | 80.6790, -18.4430, 64.4450 |

Conversions

Conversions Part 2

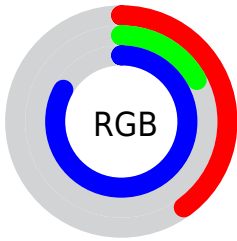
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 103, 44, 211 |
| Decimal | 6761683 |
| CIE Lab | 36.72, 61.22, -75.30 |
| CIE LCh | 37, 97.044, 309.113 |
| Yxy | 9.3881, 0.2025, 0.1042 |
| Android (android.graphics.Color) | 4284951763 (0xFF672CD3) |
| YUV | 80.6790, 64.2483, 19.5755 |
| Hunter-Lab | 30.6400, 52.7116, -99.4505 |

Details

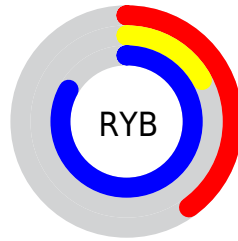
The YUV color **80.6790, 64.2483, 19.5755** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **174.3210, -64.2483, -19.5755**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.0450, 59.1378, 25.3935**, and **27.2380, 62.9867, 4.1763** is the 20% darker color. If you saturate the color by 10%, you get **64.1660, 72.3892, 21.7794**, and if you desaturate by 10%, it is **97.1920, 56.1073, 17.3716**.

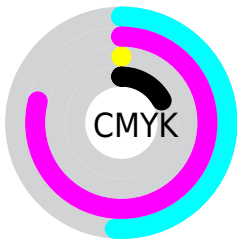
Distribution



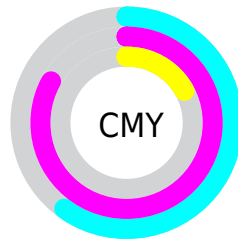
- Red (40%)
- Green (17%)
- Blue (83%)



- Red (40%)
- Yellow (17%)
- Blue (83%)



- Cyan (51%)
- Magenta (79%)
- Yellow (0%)
- Black (17%)



- Cyan (60%)
- Magenta (83%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YUV color 80.6790, 64.2483, 19.5755 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 80.6790, 64.2483, 19.5755 by changing the saturation by 10% instead.

80.6790, 64.2483,
19.5755

80.6790, 64.2483,
19.5755

255.0000, 0.0000,
0.0000

49.1350, 65.9954,
19.1756

135.0450, 59.1378,
25.3935

27.2380, 62.9867,
4.1763

159.8640, 46.9020,
29.9373

14.5920, 55.9101,
-12.7972

184.6830, 34.6663,
34.4810

11.6280, 44.5534,
-10.1978

210.3880, 21.9937,
39.1247

12.3000, 31.8971,
-10.7871

226.8240, 13.8908,
24.7104

8.9770, 21.7033,
-7.8728

243.8470, 5.4984,

4.7080, 12.9620,

9.7812

-4.1289

■ 0.2280, 0.8736,
-0.2000

■ 0.0000, 0.0000,
0.0000

■ 80.6790, 64.2483,
19.5755

■ 80.6790, 64.2483,
19.5755

■ 64.1660, 72.3892,
21.7794

■ 97.1920, 56.1073,
17.3716

■ 47.9520, 80.3827,
24.5981

■ 113.4060, 48.1138,
14.5529

■ 46.4790, 81.1089,
25.0129

■ 129.9190, 39.9729,
12.3490

■ 146.4320, 31.8320,
10.1451

■ 163.2330, 23.5491,
6.8117

■ 179.7460, 15.4082,
4.6078

■ 196.2590, 7.2673,
2.4039

■ 212.4730, -0.7262,
-0.4148

■ 228.9860, -8.8671,
-2.6187

Harmonies

Analogous

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



82.0480, 80.8283, -71.9561



80.6790, 64.2483, 19.5755



73.2260, 34.8916, 102.4108

Triad

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



80.6790, 64.2483, 19.5755



78.8850, -38.8903, 60.6139



78.8710, 15.3466, -69.1699

Complementary

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



80.6790, 64.2483, 19.5755



174.3210, -64.2483, -19.5755

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.



67.5510, -22.9496, -59.2422



80.6790, 64.2483, 19.5755



79.4190, -39.1536, 4.8945

Square

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



80.6790, 64.2483, 19.5755



58.0060, -28.5970, 119.2667



61.6350, -30.3861, -54.0539



88.7090, 47.9645, -77.7978

Rectangle

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



80.6790, 64.2483, 19.5755



73.3920, 9.6667, 119.8052



61.6350, -30.3861, -54.0539



75.6790, 3.1163, -66.3705

Sweetspot

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



80.6790, 64.2483, 19.5755



207.2330, 23.5491, 6.8117



127.0210, 41.4016, -72.8094



99.1050, 14.2452, 4.2929



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

Same Dimension

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



80.6790, 64.2483, 19.5755



66.0030, 93.1755, 28.0614



105.4960, 52.0135, 70.6020



96.4500, 4.2152, 1.3594



36.7930, 64.6851, 19.4755



8.8600, 15.8450, 4.5078

Inverse Universe

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



106.2450, 22.5572, 91.8701



103.1420, 32.4680, 133.1795



149.5040, -52.0135, -70.6020



98.0870, 1.4361, 6.0627



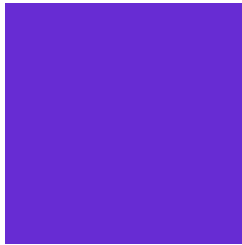
62.6580, 22.8466, 92.3849



15.2230, 5.3131, 22.6064

Previews

White Background



This preview shows how the YUV color 80.6790, 64.2483, 19.5755 looks on a white background.

Color Contrast Check

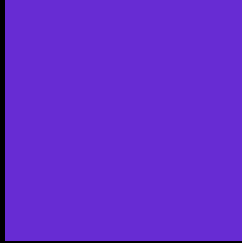
Large Text (above 18pt) WCAG AA ✓ Pass

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 80.6790, 64.2483, 19.5755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

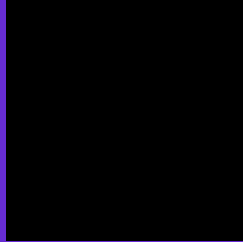
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 80.6790, 64.2483, 19.5755

Background



This preview shows how black text looks on a background with the YUV color 80.6790, 64.2483, 19.5755.



This preview shows how white text looks on a background with the YUV color 80.6790, 64.2483,

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

80.6790, 64.2483, 19.5755

Protanopia

68.7850, 52.8570, -60.3244

Deuteranopia

69.4570, 40.2007, -60.9138



Tritanopia

84.5190, 6.1531, -13.6102

Trichromacy



Original Color

80.6790, 64.2483, 19.5755

Protanomaly

73.1120, 57.1328, -31.6702

Deuteranomaly

73.6360, 48.9865, -32.1298

Tritanomaly

82.8020, 27.2126, -1.5804

Monochromacy



Original Color

80.6790, 64.2483, 19.5755

Achromatopsia

81.0000, 0.0000, 0.0000

Achromatomaly

81.1190, 23.1123, 6.9116

CSS Examples

Text

The CSS property to change the color of the text to YUV 80.6790, 64.2483, 19.5755 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(103, 44, 211)` looks like.

```
.text, #text, p{  
    color:rgb(103, 44, 211)  
}
```

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(103, 44, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 44, 211) }
```

Border

The CSS property to change the border of an element to YUV 80.6790, 64.2483, 19.5755 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(103, 44, 211) }
```


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

```
.border{ border-color:rgb(103, 44, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 44, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 44, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 44, 211);  
box-shadow:4px 4px 4px 4px rgb(103, 44,  
211) }
```

Background

The CSS property to change the background color of an element to YUV 80.6790, 64.2483, 19.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 44, 211) }
```

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

```
.background{ background-color: rgb(103, 44,  
211) }
```

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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