

Converting Colors

XYZ(19.6432, 11.2258, 60.8068)

Have a look what the booklet for
XYZ(19.6432, 11.2258, 60.8068)
contains.

XYZ(19.6831, 11.2305, 60.8048)	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

**XYZ(19.6831, 11.2305,
60.8048)**

Conversions

Conversions Part 1

Format	Color
Hex	703CD0
RGB	112, 60, 208
RGB Percent	44%, 24%, 82%
CMY	0.5608, 0.7647, 0.1843
CMYK	0.46, 0.71, 0.00, 0.18
HSL	261°, 61%, 53%
HSV	261°, 71%, 82%
XYZ	19.6831, 11.2305, 60.8048
YIQ	92.4200, -16.5160, 57.0520

Conversions

Conversions Part 2

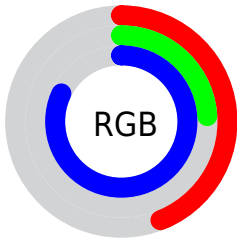
Format	Color
R_{YB}	112, 60, 208
Decimal	7355600
CIE _{Lab}	39.97, 54.58, -68.21
CIE _{LCh}	40, 87.357, 308.670
Yxy	11.2305, 0.2146, 0.1224
Android (android.graphics.Color)	4285545680 (0xFF703CD0)
YUV	92.4200, 56.9809, 17.1717
Hunter-Lab	33.5119, 46.1954, -84.1187

Details

The XYZ color **19.6831, 11.2305, 60.8048** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **37.0811, 52.5057, 12.4552**, and the grayscale version is **10.1452, 10.6736, 11.6235**.

A 20% lighter version of the original color is **40.6388, 27.4663, 97.7674**, and **6.9558, 2.9634, 29.9111** is the 20% darker color. If you saturate the color by 10%, you get **17.2099, 8.6436, 60.4361**, and if you desaturate by 10%, it is **22.8428, 14.8066, 61.3288**.

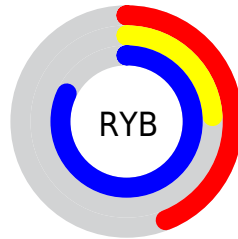
Distribution



Red (44%)

Green (24%)

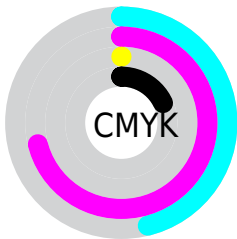
Blue (82%)



Red (44%)

Yellow (24%)

Blue (82%)

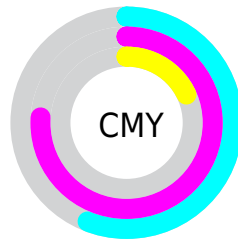


Cyan (46%)

Magenta (71%)

Yellow (0%)

Black (18%)



Cyan (56%)

Magenta (76%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6831, 11.2305, 60.8048 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 XYZ color 19.6831, 11.2305, 60.8048 by changing the saturation by 10% instead.

■ 19.6831, 11.2305,
60.8048

■ 19.6831, 11.2305,
60.8048

243.0607,
199.2422, 445.4447

■ 12.2718, 6.2221,
43.6381

■ 42.3932, 28.0856,
107.5510

■ 7.0026, 2.9806,
30.0510

■ 58.4228, 40.7011,
137.9677

■ 3.5101, 1.1216,
19.6249

■ 78.0559, 56.6211,
173.6380

■ 1.4289, 0.0000,
11.9413

■ 101.6578, 76.2300,
214.9806

■ 0.2767, 0.0000,
6.5817

■ 129.5938, 99.9121,
262.4141

■ 0.0000, 0.0000,
3.1274

■ 162.2295,

■ 0.0000, 0.0000,

128.0519, 316.3569

1.1601

199.9300,
161.0338, 377.2275

■ 0.0000, 0.0000,
0.0000

■ 19.6831, 11.2305,
60.8048

■ 19.6831, 11.2305,
60.8048

■ 17.2099, 8.6436,
60.4361

■ 22.8428, 14.8066,
61.3288

■ 15.3563, 6.9321,
60.2034

■ 26.7427, 19.4662,
62.0226

■ 14.1395, 5.9740,
60.0826

■ 31.4326, 25.2933,
62.9002

■ 36.9573, 32.3629,
63.9736

■ 43.3578, 40.7438,
65.2539

■ 50.6726, 50.4997,
66.7515

■ 58.9374, 61.6899,
68.4758

■ 68.1861, 74.3703,
70.4359

■ 78.4509, 88.5937,
72.6403

Harmonies

Analogous

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



12.5194, 11.2305, 83.2091



19.6831, 11.2305, 60.8048



25.5297, 11.2305, 28.7233

Triad

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



19.6831, 11.2305, 60.8048



15.4724, 11.2305, 0.0000



2.8246, 11.2305, 17.9484

Complementary

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



19.6831, 11.2305, 60.8048



37.0811, 52.5057, 12.4552

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.



3.1063, 11.2305, 3.6892



19.6831, 11.2305, 60.8048



9.0199, 11.2305, 0.0000

Square

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



19.6831, 11.2305, 60.8048



22.5294, 11.2305, 1.0019



4.9444, 11.2305, 0.0491



3.9389, 11.2305, 46.9310

Rectangle

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



19.6831, 11.2305, 60.8048



26.9711, 11.2305, 13.0155



4.9444, 11.2305, 0.0491



2.7716, 11.2305, 11.4731

Sweetspot

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



19.6837, 11.2308, 60.8051



68.6376, 64.4607, 103.4323



25.1708, 29.3589, 64.0150



14.0546, 12.9578, 22.0103



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.6837, 11.2308, 60.8051



25.7442, 12.2273, 95.6110



33.2023, 18.1999, 61.4378



11.5500, 11.6168, 14.8772



8.9076, 3.7724, 37.4511



0.5831, 0.2548, 2.0980

Inverse Universe

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



33.6288, 19.0418, 33.3538



50.0615, 25.9104, 44.9249



26.8687, 47.2410, 11.9773



12.1270, 11.9356, 13.9448



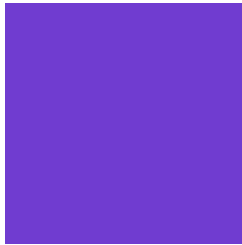
18.9815, 9.4654, 15.3406



1.0982, 0.5440, 1.0518

Previews

White Background



This preview shows how the XYZ color 19.6831, 11.2305, 60.8048 looks on a white background.

Color Contrast Check

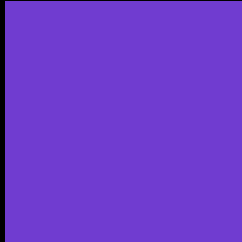
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.6831, 11.2305, 60.8048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

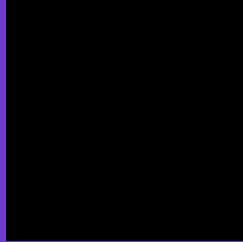
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6831, 11.2305, 60.8048

Background



This preview shows how black text looks on a background with the XYZ color 19.6831, 11.2305, 60.8048.



This preview shows how white text looks on a background with the XYZ color 19.6831, 11.2305,

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

19.6831, 11.2305, 60.8048

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.1576, 11.3026, 37.6699



Tritanopia

10.3774, 11.2763, 14.4616

Trichromacy



Original Color

19.6831, 11.2305, 60.8048

Protanomaly

13.9762, 10.2860, 54.6748

Deuteranomaly

12.4253, 10.1483, 45.0200

Tritanomaly

12.6203, 10.5425, 26.5690

Monochromacy



Original Color

19.6831, 11.2305, 60.8048

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.3173, 10.1112, 23.8567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6831, 11.2305, 60.8048 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(112, 60, 208)` looks like.

```
.text, #text, p{  
    color:rgb(112, 60, 208)  
}
```

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(112, 60, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 60, 208) }
```

Border

The CSS property to change the border of an element to XYZ 19.6831, 11.2305, 60.8048 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(112, 60, 208) }
```


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

```
.border{ border-color:rgb(112, 60, 208) }
```

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

Here you see how a box with a 4 pixel rgb(112, 60, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 60, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 60, 208);  
box-shadow:4px 4px 4px 4px rgb(112, 60,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6831, 11.2305, 60.8048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 60, 208) }
```

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

```
.background{ background-color: rgb(112, 60,  
208) }
```

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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