

Converting Colors

XYZ(19.7246, 18.7151, 35.4663)

Have a look what the booklet for
XYZ(19.7246, 18.7151, 35.4663)
contains.

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Color

**XYZ(19.7059, 18.7070,
35.3731)**

Conversions

Conversions Part 1

Format	Color
Hex	74749F
RGB	116, 116, 159
RGB Percent	45%, 45%, 62%
CMY	0.5451, 0.5451, 0.3765
CMYK	0.27, 0.27, 0.00, 0.38
HSL	240°, 18%, 54%
HSV	240°, 27%, 62%
XYZ	19.7059, 18.7070, 35.3731
YIQ	120.9020, -13.8030, 13.3730

Conversions

Conversions Part 2

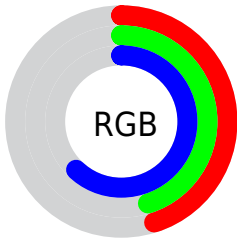
Format	Color
R _Y B	116, 116, 159
Decimal	7632031
CIE Lab	50.34, 9.97, -23.11
CIE LCh	50, 25.165, 293.342
Yxy	18.7070, 0.2671, 0.2535
Android (android.graphics.Color)	4285822111 (0xFF74749F)
YUV	120.9020, 18.7823, -4.2991
Hunter-Lab	43.2516, 5.6363, -18.2139

Details

The XYZ color **19.7059, 18.7070, 35.3731** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.8490, 33.4285, 21.4029**, and the grayscale version is **18.0873, 19.0293, 20.7229**.

A 20% lighter version of the original color is **42.5024, 41.2953, 69.3490**, and **6.9677, 6.3540, 14.7691** is the 20% darker color. If you saturate the color by 10%, you get **16.0919, 14.3524, 34.7234**, and if you desaturate by 10%, it is **23.9966, 23.8770, 36.1452**.

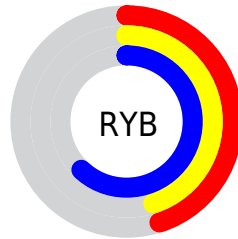
Distribution



Red (45%)

Green (45%)

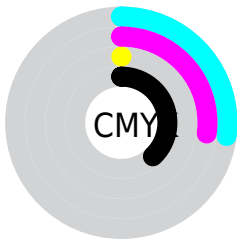
Blue (62%)



Red (45%)

Yellow (45%)

Blue (62%)

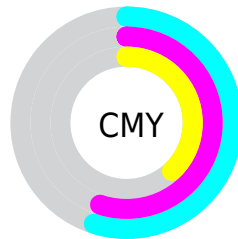


Cyan (27%)

Magenta (27%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7059, 18.7070, 35.3731 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 19.7059, 18.7070, 35.3731 by changing the saturation by 10% instead.

■ 19.7059, 18.7070,
35.3731

■ 19.7059, 18.7070,
35.3731

243.1825,
244.8264, 341.1663

■ 12.2885, 11.4588,
23.6646

■ 42.4313, 41.2384,
69.2215

■ 7.0140, 6.3763,
14.8751

■ 58.4699, 57.2904,
92.1984

■ 3.5173, 3.0752,
8.5861

■ 78.1130, 77.0457,
119.7685

■ 1.4329, 1.1711,
4.3791

■ 101.7259,
100.8887, 152.3504

■ 0.2795, 0.0379,
1.8355

129.6739,
129.2040, 190.3626

■ 0.0000, 0.0000,
0.4513

162.3225,

■ 0.0000, 0.0000,

162.3757, 234.2236

0.0000

200.0369,
200.7884, 284.3520

■ 19.7059, 18.7070,
35.3731

■ 19.7059, 18.7070,
35.3731

■ 16.0919, 14.3524,
34.7234

■ 23.9966, 23.8770,
36.1452

■ 13.1184, 10.7695,
34.1885

■ 28.9941, 29.8986,
37.0441

■ 10.7486, 7.9140,
33.7623

■ 34.7289, 36.8087,
38.0756

■ 8.9411, 5.7361,
33.4371

■ 41.2292, 44.6412,
39.2448

■ 7.6495, 4.1798,
33.2048

■ 48.5218, 53.4283,
40.5565

■ 6.8199, 3.1802,
33.0556

■ 56.6321, 63.2006,
42.0153

■ 6.3680, 2.6356,
32.9743

■ 65.5842, 73.9874,
43.6256

■ 6.2581, 2.5032,
32.9546

■ 75.4017, 85.8167,
45.3914

■ 83.2581, 95.2832,
46.8046

Harmonies

Analogous

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



17.2417, 18.7070, 36.8519



19.7059, 18.7070, 35.3731



21.8182, 18.7070, 29.4954

Triad

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



19.7059, 18.7070, 35.3731



20.7328, 18.7070, 11.3756



13.5137, 18.7070, 18.8494

Complementary

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



19.7059, 18.7070, 35.3731



29.8490, 33.4285, 21.4029

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.



14.2744, 18.7070, 13.3506



19.7059, 18.7070, 35.3731



18.3303, 18.7070, 9.7213

Square

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



19.7059, 18.7070, 35.3731



22.4479, 18.7070, 15.4931



15.9847, 18.7070, 10.3509



13.8094, 18.7070, 26.1730

Rectangle

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



19.7059, 18.7070, 35.3731



22.6673, 18.7070, 24.4706



15.9847, 18.7070, 10.3509



13.6519, 18.7070, 16.7529

Sweetspot

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



19.7065, 18.7077, 35.3735



50.8683, 52.2717, 66.1518



25.7971, 30.9881, 37.0978



11.1637, 11.4177, 14.8591



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.7065, 18.7077, 35.3735



31.5440, 28.9871, 62.6760



22.7850, 20.2948, 35.5176



6.2848, 6.4353, 8.3176



4.9428, 1.9771, 26.0283



0.0884, 0.0354, 0.4654

Inverse Universe

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



23.6964, 21.1233, 19.3520



39.8183, 33.9967, 29.4502



26.0682, 31.4794, 21.2259



6.6331, 6.6461, 6.9189



11.2931, 5.8218, 0.5285



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 19.7059, 18.7070, 35.3731 looks on a white background.

Color Contrast Check

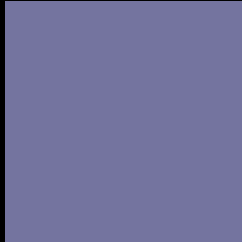
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.7059, 18.7070, 35.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

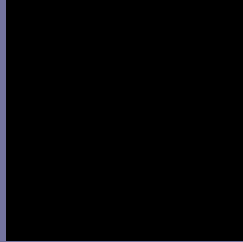
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7059, 18.7070, 35.3731

Background



This preview shows how black text looks on a background with the XYZ color 19.7059, 18.7070, 35.3731.



This preview shows how white text looks on a background with the XYZ color 19.7059, 18.7070,

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

19.7059, 18.7070, 35.3731

Protanopia

19.0958, 18.7182, 36.3247

Deuteranopia

19.1668, 18.7751, 35.4146



Tritanopia

17.3645, 18.6284, 24.1532

Trichromacy



Original Color

19.7059, 18.7070, 35.3731

Protanomaly

19.2620, 18.6402, 35.8404

Deuteranomaly

19.3014, 18.6705, 35.3874

Tritanomaly

18.0866, 18.5615, 27.8288

Monochromacy



Original Color

19.7059, 18.7070, 35.3731

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.5777, 18.8649, 25.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7059, 18.7070, 35.3731 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(116, 116, 159)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 159)  
}
```

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(116, 116, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.7059, 18.7070, 35.3731 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(116, 116, 159) }
```


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

```
.border{ border-color:rgb(116, 116, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 159);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7059, 18.7070, 35.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 159) }
```

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

```
.background{ background-color: rgb(116,  
116, 159) }
```

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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