

Converting Colors

XYZ(19.4790, 10.0057, 69.9065)

Have a look what the booklet for
XYZ(19.4790, 10.0057, 69.9065)
contains.

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Color

**XYZ(19.5682, 10.0737,
70.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	652FDE
RGB	101, 47, 222
RGB Percent	40%, 18%, 87%
CMY	0.6039, 0.8157, 0.1294
CMYK	0.55, 0.79, 0.00, 0.13
HSL	259°, 73%, 53%
HSV	259°, 79%, 87%
XYZ	19.5682, 10.0737, 70.0203
YIQ	83.0960, -23.9910, 65.8730

Conversions

Conversions Part 2

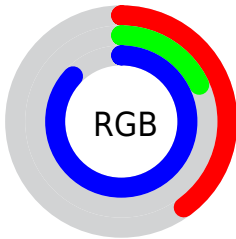
Format	Color
R _{YB}	101, 47, 222
Decimal	6631390
CIE _{Lab}	37.97, 62.59, -79.57
CIE _{LCh}	38, 101.239, 308.189
Yxy	10.0737, 0.1963, 0.1011
Android (android.graphics.Color)	4284821470 (0xFF652FDE)
YUV	83.0960, 68.4797, 15.7018
Hunter-Lab	31.7391, 54.5077, -108.5836

Details

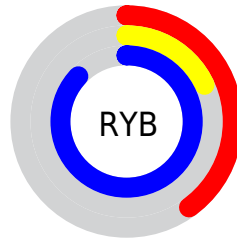
The XYZ color **19.5682, 10.0737, 70.0203** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **42.7814, 60.7721, 12.1646**, and the grayscale version is **8.1107, 8.5331, 9.2925**.

A 20% lighter version of the original color is **37.7114, 24.1209, 97.2759**, and **7.1008, 2.8760, 35.7782** is the 20% darker color. If you saturate the color by 10%, you get **17.3345, 7.9228, 69.7232**, and if you desaturate by 10%, it is **22.5750, 13.2921, 70.4833**.

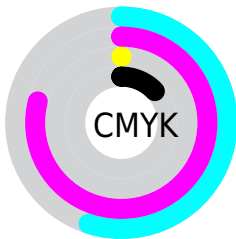
Distribution



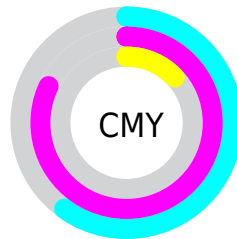
- Red (40%)
- Green (18%)
- Blue (87%)



- Red (40%)
- Yellow (18%)
- Blue (87%)



- Cyan (55%)
- Magenta (79%)
- Yellow (0%)
- Black (13%)



- Cyan (60%)
- Magenta (82%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5682, 10.0737, 70.0203 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 19.5682, 10.0737, 70.0203 by changing the saturation by 10% instead.

■ 19.5682, 10.0737,
70.0203

■ 19.5682, 10.0737,
70.0203

242.4462,
191.1973, 479.4123

■ 12.1880, 5.4479,
51.0662

■ 42.2015, 25.9340,
120.9191

■ 6.9450, 2.5124,
35.8842

■ 58.1854, 37.9373,
153.7008

■ 3.4737, 0.8828,
24.0558

■ 77.7678, 53.1685,
191.9289

■ 1.4089, 0.0000,
15.1624

■ 101.3142, 72.0120,
236.0217

■ 0.2626, 0.0000,
8.7856

■ 129.1898, 94.8523,
286.3980

■ 0.0000, 0.0000,
4.5067

■ 161.7602,

■ 0.0000, 0.0000,

122.0736, 343.4761

1.9072

199.3905,
154.0605, 407.6747

■ 0.0000, 0.0000,
0.4973

■ 0.0000, 0.0000,
0.0000

■ 19.5682, 10.0737,
70.0203

■ 19.5682, 10.0737,
70.0203

■ 17.3345, 7.9228,
69.7232

■ 22.5750, 13.2921,
70.4833

■ 15.7612, 6.6439,
69.5592

■ 26.4296, 17.7062,
71.1322

■ 15.6046, 6.5214,
69.5438

■ 31.1991, 23.4262,
71.9849

■ 36.9427, 30.5492,
73.0570

■ 43.7144, 39.1628,
74.3627

■ 51.5640, 49.3474,
75.9148

■ 60.5378, 61.1774,
77.7253

■ 70.6794, 74.7227,
79.8052

■ 82.0301, 90.0488,
82.1652

Harmonies

Analogous

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



11.4677, 10.0737, 98.2504



19.5682, 10.0737, 70.0203



26.4993, 10.0737, 30.3699

Triad

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



19.5682, 10.0737, 70.0203



15.0103, 10.0737, 0.0000



1.7665, 10.0737, 16.8983

Complementary

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



19.5682, 10.0737, 70.0203



42.7814, 60.7721, 12.1646

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.



2.0270, 10.0737, 2.3197



19.5682, 10.0737, 70.0203



7.9025, 10.0737, 0.0000

Square

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



19.5682, 10.0737, 70.0203



23.1424, 10.0737, 0.2015



3.7395, 10.0737, 0.0000



2.7274, 10.0737, 51.3240

Rectangle

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



19.5682, 10.0737, 70.0203



28.2897, 10.0737, 12.1394



3.7395, 10.0737, 0.0000



1.7275, 10.0737, 9.8755

Sweetspot

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



19.5688, 10.0739, 70.0206



64.6472, 59.8140, 102.7457



28.6382, 34.4406, 74.2458



13.0363, 11.7676, 21.8342



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.



19.5688, 10.0739, 70.0206



22.1691, 9.5524, 95.2831



34.6949, 17.8717, 70.7285



13.3480, 13.4474, 17.2798



9.3690, 3.9252, 41.3122



0.7391, 0.3183, 2.8677

Inverse Universe

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



38.2080, 20.3895, 38.9642



49.6434, 24.8465, 45.4872



30.1140, 54.2418, 11.5717



14.1055, 13.8598, 16.3258



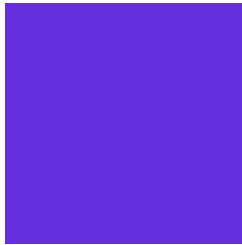
21.3844, 10.6208, 19.2218



1.5218, 0.7520, 1.5406

Previews

White Background



This preview shows how the XYZ color 19.5682, 10.0737, 70.0203 looks on a white background.

Color Contrast Check

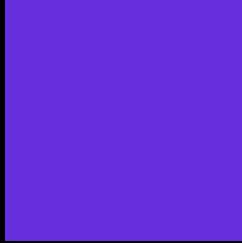
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5682, 10.0737, 70.0203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

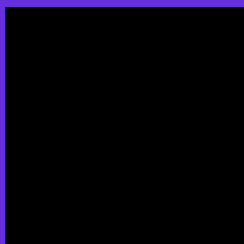
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5682, 10.0737, 70.0203

Background



This preview shows how black text looks on a background with the XYZ color 19.5682, 10.0737, 70.0203.



This preview shows how white text looks on a background with the XYZ color 19.5682, 10.0737,

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

19.5682, 10.0737, 70.0203

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

9.7435, 10.0209, 32.4310



Tritanopia

8.3540, 10.1044, 14.0804

Trichromacy



Original Color

19.5682, 10.0737, 70.0203

Protanomaly

13.0441, 9.0136, 53.2768

Deuteranomaly

11.4841, 8.8169, 43.7444

Tritanomaly

10.8143, 9.0200, 28.3652

Monochromacy



Original Color

19.5682, 10.0737, 70.0203

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.7097, 8.2752, 23.5871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5682, 10.0737, 70.0203 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(101, 47, 222)` looks like.

```
.text, #text, p{  
    color:rgb(101, 47, 222)  
}
```

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(101, 47, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 47, 222) }
```

Border

The CSS property to change the border of an element to XYZ 19.5682, 10.0737, 70.0203 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(101, 47, 222) }
```


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

```
.border{ border-color:rgb(101, 47, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 47, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 47, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 47, 222);  
box-shadow:4px 4px 4px 4px rgb(101, 47,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5682, 10.0737, 70.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 47, 222) }
```

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

```
.background{ background-color: rgb(101, 47,  
222) }
```

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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