

Converting Colors

XYZ(18.7053, 11.8080, 72.5276)

Have a look what the booklet for
XYZ(18.7053, 11.8080, 72.5276)
contains.

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Color

**XYZ(18.7052, 11.8080,
72.5275)**

Conversions

Conversions Part 1

Format	Color
Hex	474BE1
RGB	71, 75, 225
RGB Percent	28%, 29%, 88%
CMY	0.7215, 0.7059, 0.1176
CMYK	0.68, 0.67, 0.00, 0.12
HSL	238°, 72%, 58%
HSV	238°, 68%, 88%
XYZ	18.7052, 11.8080, 72.5275
YIQ	90.9040, -50.5340, 45.8020

Conversions

Conversions Part 2

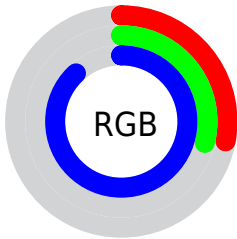
Format	Color
R _Y B	71, 75, 225
Decimal	4672481
CIE Lab	40.91, 45.53, -76.55
CIE LCh	41, 89.067, 300.747
Yxy	11.8080, 0.1815, 0.1146
Android (android.graphics.Color)	4282862561 (0xFF474BE1)
YUV	90.9040, 66.1093, -17.4558
Hunter-Lab	34.3628, 37.0307, -101.0860

Details

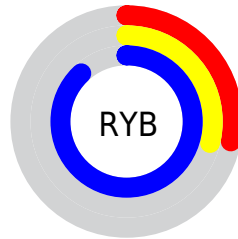
The XYZ color **18.7052, 11.8080, 72.5275** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **58.0483, 68.1810, 16.0635**, and the grayscale version is **9.7860, 10.2956, 11.2119**.

A 20% lighter version of the original color is **35.7001, 27.2056, 97.9773**, and **7.5322, 3.7557, 37.3737** is the 20% darker color. If you saturate the color by 10%, you get **16.1106, 8.6308, 72.0513**, and if you desaturate by 10%, it is **22.4235, 16.3240, 73.2035**.

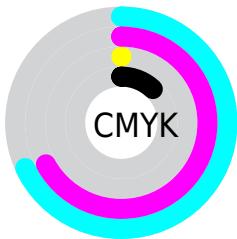
Distribution



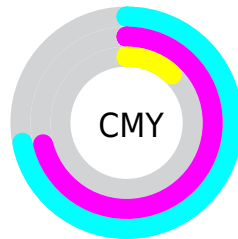
- Red (28%)
- Green (29%)
- Blue (88%)



- Red (28%)
- Yellow (29%)
- Blue (88%)



- Cyan (68%)
- Magenta (67%)
- Yellow (0%)
- Black (12%)



- Cyan (72%)
- Magenta (71%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7052, 11.8080, 72.5275 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 18.7052, 11.8080, 72.5275 by changing the saturation by 10% instead.

■ 18.7052, 11.8080,
72.5275

■ 18.7052, 11.8080,
72.5275

237.7859,
203.1300, 488.4024

■ 11.5602, 6.6131,
53.1002

■ 40.7561, 29.1449,
124.5209

■ 6.5150, 3.2213,
37.4945

■ 56.3927, 42.0557,
157.9241

■ 3.2043, 1.2483,
25.2918

■ 75.5905, 58.3073,
196.8230

■ 1.2627, 0.1007,
16.0736

■ 98.7150, 78.2840,
241.6362

■ 0.1550, 0.0000,
9.4213

■ 126.1314,
102.3702, 292.7822

■ 0.0000, 0.0000,
4.9165

158.2051,

■ 0.0000, 0.0000,

130.9503, 350.6795

2.1404

195.3015,
164.4088, 415.7467

■ 0.0000, 0.0000,
0.6397

■ 0.0000, 0.0000,
0.0000

■ 18.7052, 11.8080,
72.5275

■ 18.7052, 11.8080,
72.5275

■ 16.1106, 8.6308,
72.0513

■ 22.4235, 16.3240,
73.2035

■ 14.5112, 6.6446,
71.7522

■ 27.3714, 22.3039,
74.0970

■ 13.7350, 5.6597,
71.6030

■ 33.6445, 29.8593,
75.2247

■ 13.6540, 5.5628,
71.5886

■ 41.3287, 39.0907,
76.6015

■ 50.5026, 50.0904,
78.2412

■ 61.2391, 62.9438,
80.1563

■ 73.6061, 77.7310,
82.3587

■ 87.6677, 94.5271,
84.8595

■ 90.5907, 98.2163,
85.4175

Harmonies

Analogous

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



11.3832, 11.8080, 89.2568



18.7052, 11.8080, 72.5275



25.6250, 11.8080, 38.6782

Triad

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



18.7052, 11.8080, 72.5275



18.3200, 11.8080, 0.0000



2.9000, 11.8080, 13.3185

Complementary

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



18.7052, 11.8080, 72.5275



58.0483, 68.1810, 16.0635

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.



3.5791, 11.8080, 2.2148



18.7052, 11.8080, 72.5275



11.0646, 11.8080, 0.0000

Square

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



18.7052, 11.8080, 72.5275



25.3498, 11.8080, 1.9790



6.0615, 11.8080, 0.0000



3.6540, 11.8080, 40.3484

Rectangle

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



18.7052, 11.8080, 72.5275



28.1300, 11.8080, 19.3487



6.0615, 11.8080, 0.0000



2.9646, 11.8080, 8.0087

Sweetspot

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



18.7059, 11.8083, 72.5278



63.5762, 62.3352, 103.2888



42.4253, 60.3509, 77.0310



12.8721, 12.4601, 21.9766



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.



18.7059, 11.8083, 72.5278



20.3700, 10.1941, 95.5018



27.1500, 15.7721, 72.8479



12.9804, 13.2999, 17.2707



7.8810, 3.2316, 41.2567



0.5565, 0.2444, 2.8631

Inverse Universe

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



34.5753, 21.0232, 8.8921



42.8177, 23.4480, 5.4381



41.2259, 61.0915, 15.5818



13.7216, 13.7063, 14.3039



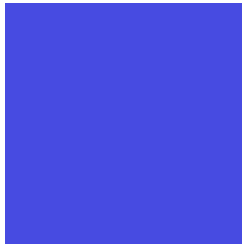
17.9182, 9.2343, 0.9689



1.2471, 0.6421, 0.0943

Previews

White Background



This preview shows how the XYZ color 18.7052, 11.8080, 72.5275 looks on a white background.

Color Contrast Check

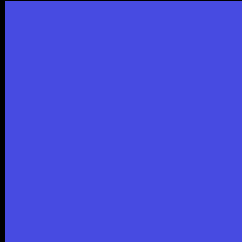
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7052, 11.8080, 72.5275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

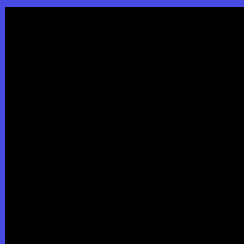
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7052, 11.8080, 72.5275

Background



This preview shows how black text looks on a background with the XYZ color 18.7052, 11.8080, 72.5275.



This preview shows how white text looks on a background with the XYZ color 18.7052, 11.8080,

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

18.7052, 11.8080, 72.5275

Protanopia

13.6775, 11.5944, 53.1468

Deuteranopia

11.3427, 11.5254, 38.1860



Tritanopia

8.1913, 11.5230, 17.7120

Trichromacy



Original Color

18.7052, 11.8080, 72.5275

Protanomaly

14.8944, 11.3314, 59.7947

Deuteranomaly

13.1593, 11.1628, 49.0380

Tritanomaly

10.3509, 10.7371, 32.0988

Monochromacy



Original Color

18.7052, 11.8080, 72.5275

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.6383, 10.2753, 26.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7052, 11.8080, 72.5275 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(71, 75, 225)` looks like.

```
.text, #text, p{  
    color:rgb(71, 75, 225)  
}
```

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(71, 75, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 75, 225) }
```

Border

The CSS property to change the border of an element to XYZ 18.7052, 11.8080, 72.5275 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(71, 75, 225) }
```


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

```
.border{ border-color:rgb(71, 75, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 75, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 75, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 75, 225);  
box-shadow:4px 4px 4px 4px rgb(71, 75,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7052, 11.8080, 72.5275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 75, 225) }
```

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

```
.background{ background-color: rgb(71, 75,  
225) }
```

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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