

Converting Colors

XYZ(18.2397, 12.1127, 70.0128)

Have a look what the booklet for
XYZ(18.2397, 12.1127, 70.0128)
contains.

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Color

**XYZ(18.2345, 12.1511,
69.7909)**

Conversions

Conversions Part 1

Format	Color
Hex	4350DD
RGB	67, 80, 221
RGB Percent	26%, 31%, 87%
CMY	0.7372, 0.6863, 0.1333
CMYK	0.70, 0.64, 0.00, 0.13
HSL	235°, 69%, 56%
HSV	235°, 70%, 87%
XYZ	18.2345, 12.1511, 69.7909
YIQ	92.1870, -53.0090, 41.0950

Conversions

Conversions Part 2

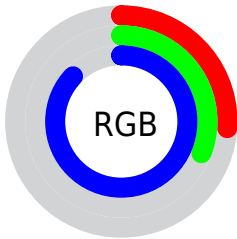
Format	Color
R _Y B	67, 79, 221
Decimal	4411613
CIE Lab	41.46, 40.72, -73.38
CIE LCh	41, 83.923, 299.027
Yxy	12.1511, 0.1820, 0.1213
Android (android.graphics.Color)	4282601693 (0xFF4350DD)
YUV	92.1870, 63.5048, -22.0890
Hunter-Lab	34.8584, 32.3714, -94.3050

Details

The XYZ color **18.2345, 12.1511, 69.7909** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **53.3905, 60.8939, 14.2513**, and the grayscale version is **10.0836, 10.6087, 11.5529**.

A 20% lighter version of the original color is **35.5731, 27.9071, 98.1194**, and **7.3926, 3.9187, 35.9641** is the 20% darker color. If you saturate the color by 10%, you get **15.7329, 8.9834, 69.3116**, and if you desaturate by 10%, it is **21.7613, 16.5093, 70.4466**.

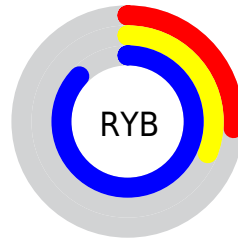
Distribution



Red (26%)

Green (31%)

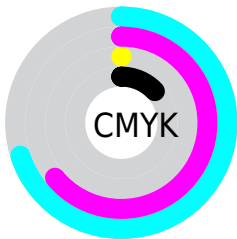
Blue (87%)



Red (26%)

Yellow (31%)

Blue (87%)

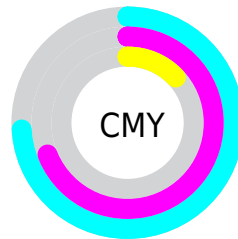


Cyan (70%)

Magenta (64%)

Yellow (0%)

Black (13%)



Cyan (74%)

Magenta (69%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2345, 12.1511, 69.7909 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 18.2345, 12.1511, 69.7909 by changing the saturation by 10% instead.

■ 18.2345, 12.1511,
69.7909

■ 18.2345, 12.1511,
69.7909

235.2096,
205.4031, 478.5848

■ 11.2192, 6.8467,
50.8803

■ 39.9635, 29.7700,
120.5888

■ 6.2828, 3.3664,
35.7373

■ 55.4078, 42.8533,
153.3133

■ 3.0601, 1.3259,
23.9433

■ 74.3926, 59.2983,
191.4794

■ 1.1856, 0.1611,
15.0798

■ 97.2831, 79.4894,
235.5058

■ 0.0950, 0.0000,
8.7281

■ 124.4447,
103.8110, 285.8110

■ 0.0000, 0.0000,
4.4699

156.2427,

■ 0.0000, 0.0000,

132.6476, 342.8136

1.8865

193.0426,
166.3835, 406.9320

■ 0.0000, 0.0000,
0.4841

■ 0.0000, 0.0000,
0.0000

■ 18.2345, 12.1511,
69.7909

■ 18.2345, 12.1511,
69.7909

■ 15.7329, 8.9834,
69.3116

■ 21.7613, 16.5093,
70.4466

■ 14.1432, 6.8864,
68.9907

■ 26.4063, 22.1601,
71.2925

■ 13.2979, 5.7008,
68.8064

■ 32.2546, 29.1956,
72.3422

■ 13.2781, 5.6743,
68.8023

■ 39.3822, 37.6992,
73.6079

■ 47.8589, 47.7477,
75.1007

■ 57.7495, 59.4125,
76.8309

■ 69.1146, 72.7606,
78.8084

■ 82.0111, 87.8552,
81.0422

■ 90.0512, 98.0005,
82.5767

Harmonies

Analogous

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



11.3511, 12.1511, 83.3719



18.2345, 12.1511, 69.7909



24.8246, 12.1511, 39.1767

Triad

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



18.2345, 12.1511, 69.7909



18.7067, 12.1511, 0.0000



3.3381, 12.1511, 12.6678

Complementary

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



18.2345, 12.1511, 69.7909



53.3905, 60.8939, 14.2513

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.



4.1239, 12.1511, 2.3738



18.2345, 12.1511, 69.7909



11.7497, 12.1511, 0.0000

Square

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



18.2345, 12.1511, 69.7909



25.1581, 12.1511, 2.7024



6.7376, 12.1511, 0.0000



4.0244, 12.1511, 37.1728

Rectangle

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



18.2345, 12.1511, 69.7909



27.3357, 12.1511, 20.7185



6.7376, 12.1511, 0.0000



3.4321, 12.1511, 7.8066

Sweetspot

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



18.2352, 12.1514, 69.7913



64.3221, 63.8270, 103.5374



39.2641, 57.3436, 67.1379



13.0451, 12.8061, 22.0342



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.



18.2352, 12.1514, 69.7913



20.5138, 10.8019, 95.6115



24.0523, 13.8721, 69.8168



12.4265, 12.7928, 16.4665



7.7472, 3.3639, 39.9794



0.5332, 0.2805, 2.6005

Inverse Universe

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



33.2746, 19.9668, 9.6896



42.8121, 23.1465, 6.3313



41.2482, 59.5308, 14.6281



13.1004, 13.0693, 13.7900



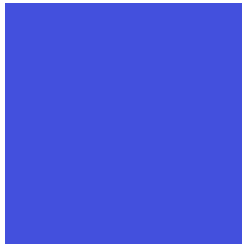
17.4058, 8.9633, 1.2509



1.1434, 0.5870, 0.1642

Previews

White Background



This preview shows how the XYZ color 18.2345, 12.1511, 69.7909 looks on a white background.

Color Contrast Check

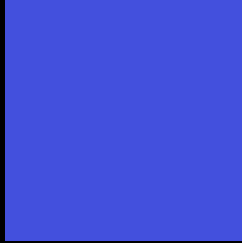
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2345, 12.1511, 69.7909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

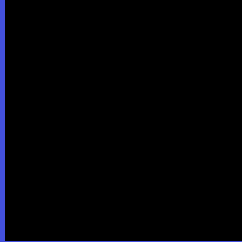
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2345, 12.1511, 69.7909

Background



This preview shows how black text looks on a background with the XYZ color 18.2345, 12.1511, 69.7909.



This preview shows how white text looks on a background with the XYZ color 18.2345, 12.1511,

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

18.2345, 12.1511, 69.7909

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

11.8129, 12.0166, 39.7270

Trichromacy



Original Color

18.2345, 12.1511, 69.7909

Protanomaly

15.0896, 11.7952, 59.8739

Deuteranomaly

13.4763, 11.6970, 49.6916

Monochromacy



Original Color

18.2345, 12.1511, 69.7909

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.7172, 10.6825, 25.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2345, 12.1511, 69.7909 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(67, 80, 221)` looks like.

```
.text, #text, p{  
    color:rgb(67, 80, 221)  
}
```

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(67, 80, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 80, 221) }
```

Border

The CSS property to change the border of an element to XYZ 18.2345, 12.1511, 69.7909 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(67, 80, 221) }
```

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

```
.border{ border-color:rgb(67, 80, 221) }
```

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

Here you see how a box with a 4 pixel rgb(67, 80, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 80, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 80, 221);  
box-shadow:4px 4px 4px 4px rgb(67, 80,  
221) }
```


Background

The CSS property to change the background color of an element to XYZ 18.2345, 12.1511, 69.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 80, 221) }
```

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

```
.background{ background-color: rgb(67, 80,  
221) }
```

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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