

Converting Colors

XYZ(18.2421, 13.1909, 70.9470)

Have a look what the booklet for
XYZ(18.2421, 13.1909, 70.9470)
contains.

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Color

**XYZ(18.1734, 13.1487,
70.6874)**

Conversions

Conversions Part 1

Format	Color
Hex	3459DE
RGB	52, 89, 222
RGB Percent	20%, 35%, 87%
CMY	0.7960, 0.6510, 0.1294
CMYK	0.77, 0.60, 0.00, 0.13
HSL	227°, 72%, 54%
HSV	227°, 77%, 87%
XYZ	18.1734, 13.1487, 70.6874
YIQ	93.0990, -64.7450, 33.5190

Conversions

Conversions Part 2

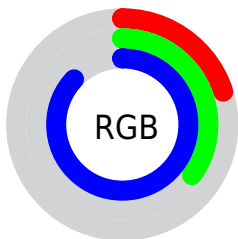
Format	Color
R _Y B	52, 82, 222
Decimal	3430878
CIE Lab	42.99, 33.80, -71.48
CIE LCh	43, 79.065, 295.308
Yxy	13.1487, 0.1782, 0.1289
Android (android.graphics.Color)	4281620958 (0xFF3459DE)
YUV	93.0990, 63.5482, -36.0438
Hunter-Lab	36.2611, 26.0039, -90.1970

Details

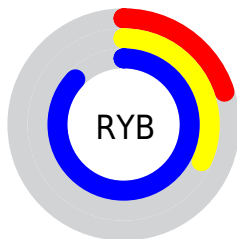
The XYZ color **18.1734, 13.1487, 70.6874** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **48.0969, 50.4824, 10.4596**, and the grayscale version is **10.2959, 10.8321, 11.7962**.

A 20% lighter version of the original color is **35.4510, 29.8962, 98.5098**, and **7.7836, 4.5545, 36.5453** is the 20% darker color. If you saturate the color by 10%, you get **16.0084, 10.1341, 70.2200**, and if you desaturate by 10%, it is **21.2176, 17.1226, 71.2944**.

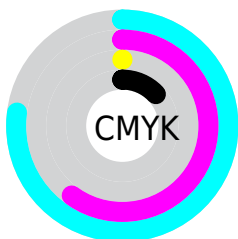
Distribution



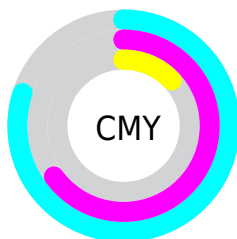
- Red (20%)
- Green (35%)
- Blue (87%)



- Red (20%)
- Yellow (32%)
- Blue (87%)



- Cyan (77%)
- Magenta (60%)
- Yellow (0%)
- Black (13%)



- Cyan (80%)
- Magenta (65%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1734, 13.1487, 70.6874 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 18.1734, 13.1487, 70.6874 by changing the saturation by 10% instead.

■ 18.1734, 13.1487,
70.6874

■ 18.1734, 13.1487,
70.6874

234.8733,
211.8685, 481.8141

■ 11.1750, 7.5310,
51.6069

■ 39.8603, 31.5707,
121.8788

■ 6.2528, 3.7964,
36.3117

■ 55.2796, 45.1438,
154.8268

■ 3.0415, 1.5603,
24.3835

■ 74.2365, 62.1374,
193.2343

■ 1.1758, 0.3306,
15.4035

■ 97.0964, 82.9361,
237.5199

■ 0.0871, 0.0000,
8.9533

■ 124.2247,
107.9241, 288.1021

■ 0.0000, 0.0000,
4.6143

155.9867,

■ 0.0000, 0.0000,

137.4859, 345.3996

1.9681

192.7478,
172.0059, 409.8307

■ 0.0000, 0.0000,
0.5355

■ 0.0000, 0.0000,
0.0000

■ 18.1734, 13.1487,
70.6874

■ 18.1734, 13.1487,
70.6874

■ 16.0084, 10.1341,
70.2200

■ 21.2176, 17.1226,
71.2944

■ 14.6115, 7.9856,
69.8789

■ 25.2275, 22.1332,
72.0502

■ 14.2542, 7.4126,
69.7871

■ 30.2808, 28.2505,
72.9646

■ 36.4466, 35.5378,
74.0462

■ 43.7879, 44.0534,
75.3029

■ 52.3627, 53.8516,
76.7422

■ 62.2253, 64.9835,
78.3711

■ 73.4265, 77.4972,
80.1961

■ 86.0146, 91.4385,
82.2236

Harmonies

Analogous

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



11.5678, 13.1487, 80.0399



18.1734, 13.1487, 70.6874



24.7438, 13.1487, 42.9710

Triad

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



18.1734, 13.1487, 70.6874



20.3771, 13.1487, 0.6366



4.1068, 13.1487, 11.7554

Complementary

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



18.1734, 13.1487, 70.6874



48.0969, 50.4824, 10.4596

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.



5.1533, 13.1487, 2.4809



18.1734, 13.1487, 70.6874



13.4756, 13.1487, 0.0000

Square

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



18.1734, 13.1487, 70.6874



26.2782, 13.1487, 4.2610



8.1466, 13.1487, 0.1844



4.6428, 13.1487, 33.8599

Rectangle

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



18.1734, 13.1487, 70.6874



27.5078, 13.1487, 24.5648



8.1466, 13.1487, 0.1844



4.2719, 13.1487, 7.4081

Sweetspot

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



18.1741, 13.1490, 70.6878



63.7337, 64.6580, 103.7289



36.0168, 56.3647, 53.4201



12.7729, 12.8420, 22.0555



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.



18.1741, 13.1490, 70.6878



20.6282, 11.9360, 95.8244



19.3801, 10.2916, 70.0727



13.1926, 13.7244, 17.3414



8.5337, 4.5369, 41.4743



0.6573, 0.4461, 2.8967

Inverse Universe

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



33.1562, 18.7082, 11.3145



42.6489, 22.2352, 8.0800



44.7982, 61.7994, 12.8179



13.8287, 13.7491, 14.8681



18.2476, 9.3660, 2.7037



1.2980, 0.6625, 0.3623

Previews

White Background



This preview shows how the XYZ color 18.1734, 13.1487, 70.6874 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 18.1734, 13.1487, 70.6874 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 18.1734, 13.1487, 70.6874

Background



This preview shows how black text looks on a background with the XYZ color 18.1734, 13.1487, 70.6874.



This preview shows how white text looks on a background with the XYZ color 18.1734, 13.1487,

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

18.1734, 13.1487, 70.6874

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

12.7861, 12.8748, 43.4062



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

18.1734, 13.1487, 70.6874

Protanomaly

16.1549, 12.8973, 63.9253

Deuteranomaly

14.2619, 12.7241, 52.1564

Tritanomaly

11.2196, 12.4394, 33.2622

Monochromacy



Original Color

18.1734, 13.1487, 70.6874

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.7027, 11.1674, 26.3497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1734, 13.1487, 70.6874 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(52, 89, 222)` looks like.

```
.text, #text, p{  
    color:rgb(52, 89, 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(52, 89, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 89, 222) }
```

Border

The CSS property to change the border of an element to XYZ 18.1734, 13.1487, 70.6874 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(52, 89, 222) }
```


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

```
.border{ border-color:rgb(52, 89, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 89, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 89, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 89, 222);  
box-shadow:4px 4px 4px 4px rgb(52, 89,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1734, 13.1487, 70.6874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 89, 222) }
```

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

```
.background{ background-color: rgb(52, 89,  
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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