

Converting Colors

XYZ(18.0328, 11.9625, 72.6899)

Have a look what the booklet for
XYZ(18.0328, 11.9625, 72.6899)
contains.

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Color

**XYZ(18.0348, 11.9858,
72.5971)**

Conversions

Conversions Part 1

Format	Color
Hex	3750E1
RGB	55, 80, 225
RGB Percent	22%, 31%, 88%
CMY	0.7843, 0.6863, 0.1176
CMYK	0.76, 0.64, 0.00, 0.12
HSL	231°, 74%, 55%
HSV	231°, 76%, 88%
XYZ	18.0348, 11.9858, 72.5971
YIQ	89.0550, -61.4450, 39.7950

Conversions

Conversions Part 2

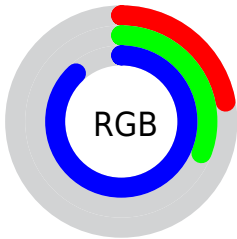
Format	Color
RYB	55, 77, 225
Decimal	3625185
CIELab	41.19, 40.79, -76.11
CIElCh	41, 86.356, 298.189
Yxy	11.9858, 0.1757, 0.1168
Android (android.graphics.Color)	4281815265 (0xFF3750E1)
YUV	89.0550, 67.0209, -29.8662
Hunter-Lab	34.6205, 32.3998, -100.0931

Details

The XYZ color **18.0348, 11.9858, 72.5971** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **52.3988, 57.5985, 11.9719**, and the grayscale version is **9.3749, 9.8631, 10.7409**.

A 20% lighter version of the original color is **34.5044, 27.3561, 98.0694**, and **7.6988, 4.0889, 37.4293** is the 20% darker color. If you saturate the color by 10%, you get **15.8608, 9.0685, 72.1489**, and if you desaturate by 10%, it is **21.1728, 15.9955, 73.2060**.

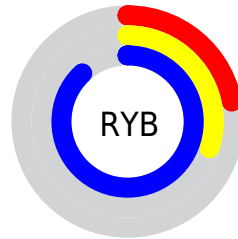
Distribution



Red (22%)

Green (31%)

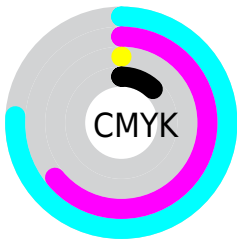
Blue (88%)



Red (22%)

Yellow (30%)

Blue (88%)

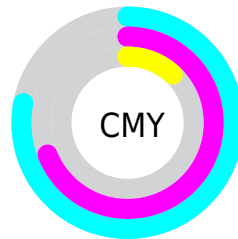


Cyan (76%)

Magenta (64%)

Yellow (0%)

Black (12%)



Cyan (78%)

Magenta (69%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0348, 11.9858, 72.5971 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 18.0348, 11.9858, 72.5971 by changing the saturation by 10% instead.

■ 18.0348, 11.9858,
72.5971

■ 18.0348, 11.9858,
72.5971

234.1089,
204.3113, 488.6505

■ 11.0748, 6.7340,
53.1568

■ 39.6262, 29.4692,
124.6207

■ 6.1848, 3.2963,
37.5393

■ 54.9884, 42.4697,
158.0410

■ 2.9995, 1.2883,
25.3263

■ 73.8820, 58.8218,
196.9584

■ 1.1535, 0.1321,
16.0991

■ 96.6724, 78.9100,
241.7914

■ 0.0692, 0.0000,
9.4392

■ 123.7249,
103.1186, 292.9586

■ 0.0000, 0.0000,
4.9280

155.4049,

■ 0.0000, 0.0000,

131.8321, 350.8785

2.1471

192.0778,
165.4349, 415.9696

■ 0.0000, 0.0000,
0.6436

■ 0.0000, 0.0000,
0.0000

■ 18.0348, 11.9858,
72.5971

■ 18.0348, 11.9858,
72.5971

■ 15.8608, 9.0685,
72.1489

■ 21.1728, 15.9955,
73.2060

■ 14.5303, 7.1295,
71.8448

■ 25.3714, 21.1940,
73.9881

■ 14.1366, 6.5280,
71.7495

■ 30.7174, 27.6673,
74.9558

■ 37.2881, 35.4934,
76.1201

■ 45.1536, 44.7438,
77.4911

■ 54.3790, 55.4850,
79.0781

■ 65.0249, 67.7793,
80.8900

■ 77.1482, 81.6853,
82.9352

■ 89.8720, 96.7789,
85.1779

Harmonies

Analogous

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



11.0180, 11.9858, 86.0669



18.0348, 11.9858, 72.5971



24.8946, 11.9858, 40.7498

Triad

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



18.0348, 11.9858, 72.5971



18.9396, 11.9858, 0.0000



3.1269, 11.9858, 11.9967

Complementary

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



18.0348, 11.9858, 72.5971



52.3988, 57.5985, 11.9719

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.



3.9465, 11.9858, 2.0366



18.0348, 11.9858, 72.5971



11.7747, 11.9858, 0.0000

Square

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



18.0348, 11.9858, 72.5971



25.5371, 11.9858, 2.6304



6.6211, 11.9858, 0.0000



3.7629, 11.9858, 36.8707

Rectangle

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



18.0348, 11.9858, 72.5971



27.5876, 11.9858, 21.4014



6.6211, 11.9858, 0.0000



3.2326, 11.9858, 7.2155

Sweetspot

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



18.0355, 11.9861, 72.5975



62.7305, 62.6516, 103.3944



38.8688, 58.8101, 63.6420



12.5362, 12.3686, 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.



18.0355, 11.9861, 72.5975



19.8683, 10.3337, 95.5552



21.9632, 11.7814, 72.3509



13.1138, 13.5668, 17.3152



8.1979, 3.8654, 41.3624



0.6201, 0.3717, 2.8843

Inverse Universe

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



33.8662, 19.3204, 9.5335



42.2854, 22.1668, 5.9286



43.2375, 62.1802, 13.3391



13.7889, 13.7332, 14.6586



18.0781, 9.2982, 1.8112



1.2793, 0.6550, 0.2635

Previews

White Background



This preview shows how the XYZ color 18.0348, 11.9858, 72.5971 looks on a white background.

Color Contrast Check

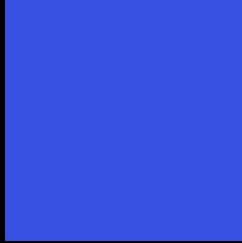
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0348, 11.9858, 72.5971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

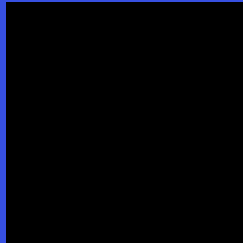
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0348, 11.9858, 72.5971

Background



This preview shows how black text looks on a background with the XYZ color 18.0348, 11.9858, 72.5971.



This preview shows how white text looks on a background with the XYZ color 18.0348, 11.9858,

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

18.0348, 11.9858, 72.5971

Protanopia

13.8782, 11.8142, 53.7735

Deuteranopia

11.5297, 11.7508, 38.7062



Tritanopia

8.2950, 11.7303, 17.7466

Trichromacy



Original Color

18.0348, 11.9858, 72.5971

Protanomaly

15.0407, 11.6332, 60.4842

Deuteranomaly

13.3009, 11.4771, 49.6584

Tritanomaly

10.3959, 11.0312, 32.1532

Monochromacy



Original Color

18.0348, 11.9858, 72.5971

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.9758, 10.0683, 25.4097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0348, 11.9858, 72.5971 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(55, 80, 225)` looks like.

```
.text, #text, p{  
    color:rgb(55, 80, 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(55, 80, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 80, 225) }
```

Border

The CSS property to change the border of an element to XYZ 18.0348, 11.9858, 72.5971 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(55, 80, 225) }
```


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

```
.border{ border-color:rgb(55, 80, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 80, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 80, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 80, 225); box-shadow:4px 4px 4px 4px rgb(55, 80, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0348, 11.9858, 72.5971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 80, 225) }
```

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

```
.background{ background-color: rgb(55, 80,  
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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