

Converting Colors

XYZ(17.4247, 12.0405, 72.2114)

Have a look what the booklet for
XYZ(17.4247, 12.0405, 72.2114)
contains.

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Color

**XYZ(17.3471, 11.9804,
71.9192)**

Conversions

Conversions Part 1

Format	Color
Hex	2653E0
RGB	38, 83, 224
RGB Percent	15%, 33%, 88%
CMY	0.8509, 0.6745, 0.1216
CMYK	0.83, 0.63, 0.00, 0.12
HSL	225°, 75%, 51%
HSV	225°, 83%, 88%
XYZ	17.3471, 11.9804, 71.9192
YIQ	85.6190, -72.0810, 34.3110

Conversions

Conversions Part 2

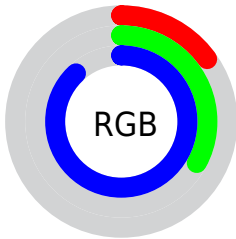
Format	Color
R_{YB}	38, 74, 224
Decimal	2511840
CIE _{Lab}	41.18, 37.13, -75.58
CIE _{LCh}	41, 84.210, 296.163
Yxy	11.9804, 0.1713, 0.1183
Android (android.graphics.Color)	4280701920 (0xFF2653E0)
YUV	85.6190, 68.2218, -41.7619
Hunter-Lab	34.6127, 28.8879, -98.9654

Details

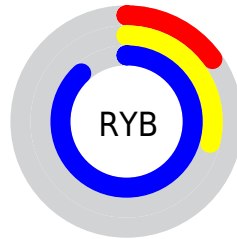
The XYZ color **17.3471, 11.9804, 71.9192** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **47.2147, 48.2353, 8.6571**, and the grayscale version is **8.6376, 9.0875, 9.8962**.

A 20% lighter version of the original color is **33.6374, 27.5044, 98.1437**, and **7.7006, 4.2411, 36.9720** is the 20% darker color. If you saturate the color by 10%, you get **15.6110, 9.3871, 71.5105**, and if you desaturate by 10%, it is **19.8989, 15.4664, 72.4579**.

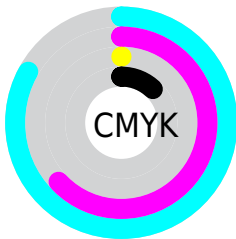
Distribution



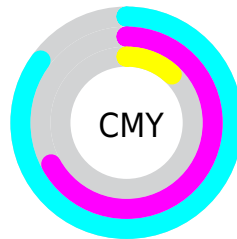
- Red (15%)
- Green (33%)
- Blue (88%)



- Red (15%)
- Yellow (29%)
- Blue (88%)



- Cyan (83%)
- Magenta (63%)
- Yellow (0%)
- Black (12%)



- Cyan (85%)
- Magenta (67%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3471, 11.9804, 71.9192 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 17.3471, 11.9804, 71.9192 by changing the saturation by 10% instead.

■ 17.3471, 11.9804,
71.9192

■ 17.3471, 11.9804,
71.9192

230.2822,
204.2755, 486.2303

■ 10.5791, 6.7303,
52.6062

■ 38.4605, 29.4594,
123.6483

■ 5.8498, 3.2940,
37.1030

■ 53.5366, 42.4571,
156.9015

■ 2.7937, 1.2871,
24.9908

■ 72.1127, 58.8062,
195.6386

■ 1.0456, 0.1312,
15.8512

■ 94.5543, 78.8910,
240.2780

■ 0.0000, 0.0000,
9.2657

■ 121.2267,
103.0959, 291.2384

■ 0.0000, 0.0000,
4.8157

152.4953,

■ 0.0000, 0.0000,

131.8054, 348.9382

2.0827

188.7253,
165.4038, 413.7960

■ 0.0000, 0.0000,
0.6055

■ 0.0000, 0.0000,
0.0000

■ 17.3471, 11.9804,
71.9192

■ 17.3471, 11.9804,
71.9192

■ 15.6110, 9.3871,
71.5105

■ 19.8989, 15.4664,
72.4579

■ 14.7820, 8.0366,
71.2935

■ 23.3630, 19.9268,
73.1363

■ 27.8237, 25.4337,
73.9641

■ 33.3545, 32.0518,
74.9500

■ 40.0219, 39.8401,
76.1019

■ 47.8865, 48.8534,
77.4271

■ 57.0048, 59.1427,
78.9326

■ 67.4294, 70.7563,
80.6248

■ 79.2100, 83.7398,
82.5100

Harmonies

Analogous

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



10.6237, 11.9804, 82.8876



17.3471, 11.9804, 71.9192



24.0923, 11.9804, 41.9115

Triad

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



17.3471, 11.9804, 71.9192



19.2004, 11.9804, 0.0742



3.2607, 11.9804, 10.9333

Complementary

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



17.3471, 11.9804, 71.9192



47.2147, 48.2353, 8.6571

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.



4.1836, 11.9804, 1.8812



17.3471, 11.9804, 71.9192



12.1860, 11.9804, 0.0000

Square

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



17.3471, 11.9804, 71.9192



25.4025, 11.9804, 3.1604



6.9773, 11.9804, 0.0000



3.7957, 11.9804, 34.0292

Rectangle

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



17.3471, 11.9804, 71.9192



26.8941, 11.9804, 22.7826



6.9773, 11.9804, 0.0000



3.3984, 11.9804, 6.5725

Sweetspot

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



17.3478, 11.9806, 71.9196



61.8314, 62.7940, 103.4693



35.4420, 56.9185, 50.9777



12.4220, 12.5110, 22.0101



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.



17.3478, 11.9806, 71.9196



19.7549, 10.6299, 95.6183



17.8506, 8.6778, 71.2555



13.2199, 13.7789, 17.3505



8.6793, 4.8282, 41.5228



0.6709, 0.4733, 2.9012

Inverse Universe

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



32.9956, 17.8593, 9.8916



42.1006, 21.6042, 6.4617



45.2526, 62.8582, 11.5830



13.8425, 13.7546, 14.9406



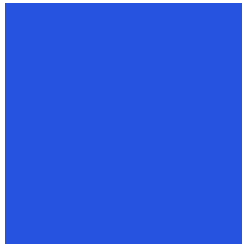
18.3211, 9.3954, 3.0908



1.3049, 0.6652, 0.3985

Previews

White Background



This preview shows how the XYZ color 17.3471, 11.9804, 71.9192 looks on a white background.

Color Contrast Check

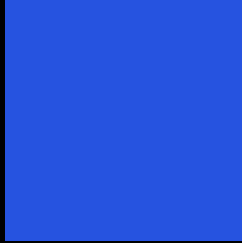
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3471, 11.9804, 71.9192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

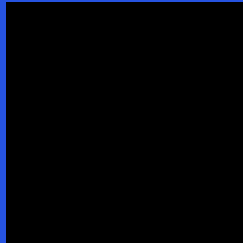
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3471, 11.9804, 71.9192

Background



This preview shows how black text looks on a background with the XYZ color 17.3471, 11.9804, 71.9192.



This preview shows how white text looks on a background with the XYZ color 17.3471, 11.9804,

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

17.3471, 11.9804, 71.9192

Protanopia

13.8782, 11.8142, 53.7735

Deuteranopia

11.5297, 11.7508, 38.7062



Tritanopia

8.2950, 11.7303, 17.7466

Trichromacy



Original Color

17.3471, 11.9804, 71.9192

Protanomaly

14.8941, 11.6944, 59.8648

Deuteranomaly

13.1726, 11.5529, 49.1126

Tritanomaly

10.3815, 11.1618, 32.1791

Monochromacy



Original Color

17.3471, 11.9804, 71.9192

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.1467, 9.5398, 24.5991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3471, 11.9804, 71.9192 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(38, 83, 224)` looks like.

```
.text, #text, p{  
    color:rgb(38, 83, 224)  
}
```

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(38, 83, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 83, 224) }
```

Border

The CSS property to change the border of an element to XYZ 17.3471, 11.9804, 71.9192 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(38, 83, 224) }
```


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

```
.border{ border-color:rgb(38, 83, 224) }
```

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

Here you see how a box with a 4 pixel rgb(38, 83, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 83, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 83, 224);  
box-shadow:4px 4px 4px 4px rgb(38, 83,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3471, 11.9804, 71.9192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 83, 224) }
```

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

```
.background{ background-color: rgb(38, 83,  
224) }
```

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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