

Converting Colors

XYZ(19.3181, 12.0082, 73.2512)

Have a look what the booklet for
XYZ(19.3181, 12.0082, 73.2512)
contains.

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Color

**XYZ(19.3181, 12.0082,
73.2512)**

Conversions

Conversions Part 1

Format	Color
Hex	4E4AE2
RGB	78, 74, 226
RGB Percent	31%, 29%, 89%
CMY	0.6941, 0.7098, 0.1137
CMYK	0.65, 0.67, 0.00, 0.11
HSL	242°, 72%, 59%
HSV	242°, 67%, 89%
XYZ	19.3181, 12.0082, 73.2512
YIQ	92.5240, -46.4080, 48.1200

Conversions

Conversions Part 2

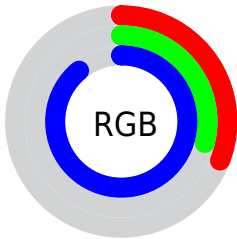
Format	Color
R _Y B	78, 74, 226
Decimal	5130978
CIE Lab	41.23, 47.30, -76.58
CIE LCh	41, 90.005, 301.703
Yxy	12.0082, 0.1847, 0.1148
Android (android.graphics.Color)	4283321058 (0xFF4E4AE2)
YUV	92.5240, 65.8037, -12.7375
Hunter-Lab	34.6528, 38.8668, -101.0736

Details

The XYZ color **19.3181, 12.0082, 73.2512** 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 **58.5540, 70.4156, 16.9838**, and the grayscale version is **10.1546, 10.6834, 11.6342**.

A 20% lighter version of the original color is **36.5853, 27.4749, 97.9827**, and **7.5767, 3.6951, 37.8500** is the 20% darker color. If you saturate the color by 10%, you get **16.5600, 8.7345, 72.7650**, and if you desaturate by 10%, it is **23.2221, 16.6765, 73.9468**.

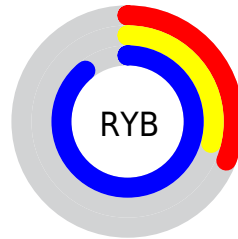
Distribution



Red (31%)

Green (29%)

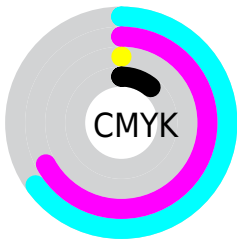
Blue (89%)



Red (31%)

Yellow (29%)

Blue (89%)

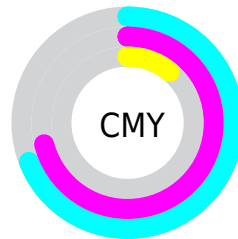


Cyan (65%)

Magenta (67%)

Yellow (0%)

Black (11%)



Cyan (69%)

Magenta (71%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3181, 12.0082, 73.2512 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 19.3181, 12.0082, 73.2512 by changing the saturation by 10% instead.

■ 19.3181, 12.0082,
73.2512

■ 19.3181, 12.0082,
73.2512

241.1038,
204.4596, 490.9791

■ 12.0057, 6.7493,
53.6883

■ 41.7837, 29.5100,
125.5580

■ 6.8198, 3.3058,
37.9611

■ 57.6675, 42.5217,
159.1390

■ 3.3950, 1.2934,
25.6509

■ 77.1393, 58.8865,
198.2297

■ 1.3659, 0.1361,
16.3392

■ 100.5643, 78.9886,
243.2488

■ 0.2317, 0.0000,
9.6076

■ 128.3079,
103.2126, 294.6147

■ 0.0000, 0.0000,
5.0374

160.7355,

■ 0.0000, 0.0000,

131.9429, 352.7460

2.2101

198.2123,
165.5637, 418.0613

■ 0.0000, 0.0000,
0.6802

■ 0.0000, 0.0000,
0.0000

■ 19.3181, 12.0082,
73.2512

■ 19.3181, 12.0082,
73.2512

■ 16.5600, 8.7345,
72.7650

■ 23.2221, 16.6765,
73.9468

■ 14.8217, 6.7000,
72.4639

■ 28.3764, 22.8708,
74.8708

■ 13.9464, 5.7037,
72.3178

■ 34.8758, 30.7084,
76.0411

■ 13.8022, 5.5295,
72.2917

■ 42.8054, 40.2946,
77.4734

■ 52.2436, 51.7262,
79.1825

■ 63.2627, 65.0928,
81.1818

■ 75.9306, 80.4782,
83.4838

■ 90.3111, 97.9613,
86.1004

■ 90.7275, 98.2710,
86.1382

Harmonies

Analogous

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



11.7887, 12.0082, 91.3578



19.3181, 12.0082, 73.2512



26.3262, 12.0082, 38.4276

Triad

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



19.3181, 12.0082, 73.2512



18.4192, 12.0082, 0.0000



2.9264, 12.0082, 14.1671

Complementary

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



19.3181, 12.0082, 73.2512



58.5540, 70.4156, 16.9838

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.



3.5687, 12.0082, 2.3908



19.3181, 12.0082, 73.2512



11.0462, 12.0082, 0.0000

Square

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



19.3181, 12.0082, 73.2512



25.6835, 12.0082, 1.8453



6.0265, 12.0082, 0.0000



3.7425, 12.0082, 42.3309

Rectangle

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



19.3181, 12.0082, 73.2512



28.7766, 12.0082, 18.9478



6.0265, 12.0082, 0.0000



2.9773, 12.0082, 8.5614

Sweetspot

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



19.3188, 12.0085, 73.2516



64.9151, 63.4340, 103.4303



43.0642, 59.9722, 81.2580



13.1344, 12.6567, 22.0007



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.



19.3188, 12.0085, 73.2516



20.6413, 10.1524, 95.4794



29.2251, 17.1154, 73.7152



12.9853, 13.2604, 17.2628



7.8896, 3.1626, 41.2430



0.5588, 0.2254, 2.8593

Inverse Universe

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



46.9965, 26.3397, 71.7081



59.5005, 30.2849, 92.7839



40.5489, 61.1336, 16.1412



14.2786, 13.9291, 17.2373



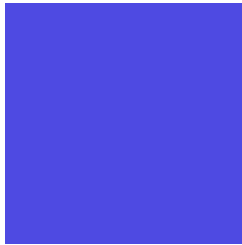
25.2734, 12.1763, 39.7008



1.7568, 0.8460, 2.7783

Previews

White Background



This preview shows how the XYZ color 19.3181, 12.0082, 73.2512 looks on a white background.

Color Contrast Check

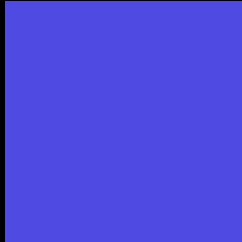
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3181, 12.0082, 73.2512 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 19.3181, 12.0082, 73.2512

Background



This preview shows how black text looks on a background with the XYZ color 19.3181, 12.0082, 73.2512.



This preview shows how white text looks on a background with the XYZ color 19.3181, 12.0082,

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

19.3181, 12.0082, 73.2512

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

11.6233, 11.7883, 39.1989



Tritanopia

8.3522, 11.7532, 18.0480

Trichromacy



Original Color

19.3181, 12.0082, 73.2512

Protanomaly

15.1918, 11.4565, 61.0851

Deuteranomaly

13.4293, 11.2769, 50.1841

Tritanomaly

10.4875, 10.7979, 32.5418

Monochromacy



Original Color

19.3181, 12.0082, 73.2512

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.1600, 10.6534, 26.6147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3181, 12.0082, 73.2512 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(78, 74, 226)` looks like.

```
.text, #text, p{  
    color:rgb(78, 74, 226)  
}
```

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(78, 74, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 74, 226) }
```

Border

The CSS property to change the border of an element to XYZ 19.3181, 12.0082, 73.2512 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(78, 74, 226) }
```


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

```
.border{ border-color:rgb(78, 74, 226) }
```

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

Here you see how a box with a 4 pixel rgb(78, 74, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 74, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 74, 226);  
box-shadow:4px 4px 4px 4px rgb(78, 74,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3181, 12.0082, 73.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 74, 226) }
```

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

```
.background{ background-color: rgb(78, 74,  
226) }
```

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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