

Converting Colors

XYZ(23.8631, 16.8194, 96.5965)

Have a look what the booklet for
XYZ(23.8631, 16.8194, 96.5965)
contains.

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Color

**XYZ(23.8771, 16.8475,
96.6012)**

Conversions

Conversions Part 1

Format	Color
Hex	3363FF
RGB	51, 99, 255
RGB Percent	20%, 39%, 100%
CMY	0.7999, 0.6118, 0.0000
CMYK	0.80, 0.61, 0.00, 0.00
HSL	226°, 100%, 60%
HSV	226°, 80%, 100%
XYZ	23.8771, 16.8475, 96.6012
YIQ	102.4320, -78.6840, 38.3400

Conversions

Conversions Part 2

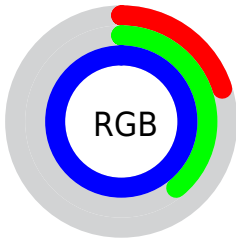
Format	Color
R _Y B	51, 90, 255
Decimal	3367935
CIE Lab	48.07, 39.34, -81.72
CIE LCh	48, 90.692, 295.705
Yxy	16.8475, 0.1739, 0.1227
Android (android.graphics.Color)	4281558015 (0xFF3363FF)
YUV	102.4320, 75.2160, -45.1059
Hunter-Lab	41.0457, 32.0070, -110.8072

Details

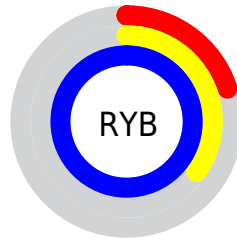
The XYZ color **23.8771, 16.8475, 96.6012** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **64.1556, 66.1344, 12.5180**, and the grayscale version is **12.5679, 13.2224, 14.3992**.

A 20% lighter version of the original color is **38.0034, 33.4607, 99.0633**, and **11.3511, 6.5774, 53.4946** is the 20% darker color. If you saturate the color by 10%, you get **21.2958, 13.0973, 96.0134**, and if you desaturate by 10%, it is **27.6095, 21.8531, 97.3706**.

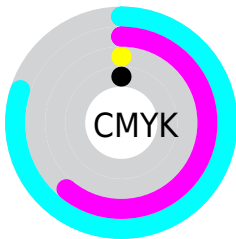
Distribution



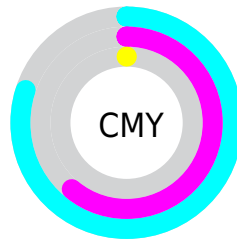
- Red (20%)
- Green (39%)
- Blue (100%)



- Red (20%)
- Yellow (35%)
- Blue (100%)



- Cyan (80%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8771, 16.8475, 96.6012 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 23.8771, 16.8475, 96.6012 by changing the saturation by 10% instead.

■ 23.8771, 16.8475,
96.6012

■ 23.8771, 16.8475,
96.6012

264.6506,
234.2920, 570.3932

■ 15.3667, 10.1258,
72.8641

■ 49.2857, 38.0634,
158.4894

■ 9.1652, 5.4825,
53.3737

■ 66.9146, 53.3264,
197.4777

■ 4.9070, 2.5330,
37.7114

■ 88.3138, 72.2053,
242.3868

■ 2.2270, 0.8931,
25.4587

■ 113.8486, 95.0845,
293.6352

■ 0.7569, 0.0000,
16.1970

143.8843,
122.3483, 351.6415

■ 0.0000, 0.0000,
9.5078

178.7863,

■ 0.0000, 0.0000,

154.3813, 416.8242

4.9726

218.9199,
191.5677, 489.6020

■ 0.0000, 0.0000,
2.1727

■ 0.0000, 0.0000,
0.6586

■ 23.8771, 16.8475,
96.6012

■ 23.8771, 16.8475,
96.6012

■ 21.2958, 13.0973,
96.0134

■ 27.6095, 21.8531,
97.3706

■ 19.6659, 10.4514,
95.5885

■ 32.6206, 28.2237,
98.3362

■ 19.6649, 10.4497,
95.5883

■ 39.0225, 36.0571,
99.5108

■ 46.9139, 45.4411,
100.9061

■ 56.3843, 56.4563,
102.5331

■ 67.5156, 69.1773,
104.4018

■ 80.3843, 83.6741,
106.5218

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.8604, 16.8475, 110.3573



23.8771, 16.8475, 96.6012



32.9032, 16.8475, 57.3965

Triad

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



23.8771, 16.8475, 96.6012



26.6489, 16.8475, 0.5558



4.8704, 16.8475, 15.1641

Complementary

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



23.8771, 16.8475, 96.6012



64.1556, 66.1344, 12.5180

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.



6.1956, 16.8475, 2.8468



23.8771, 16.8475, 96.6012



17.2238, 16.8475, 0.0000

Square

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



23.8771, 16.8475, 96.6012



34.8500, 16.8475, 4.8969



10.0985, 16.8475, 0.0809



5.5892, 16.8475, 45.7495

Rectangle

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



23.8771, 16.8475, 96.6012



36.6829, 16.8475, 31.9149



10.0985, 16.8475, 0.0809



5.0741, 16.8475, 9.2966

Sweetspot

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



23.8780, 16.8478, 96.6012



62.8504, 63.8700, 103.6233



48.0258, 76.5842, 69.3807



12.6141, 12.7113, 22.0386



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.



23.8780, 16.8478, 96.6012



20.2316, 11.3937, 95.7406



24.7158, 12.4149, 95.7014



17.3498, 18.0711, 22.8236



10.3694, 5.6483, 49.9783



1.0891, 0.7088, 4.8927

Inverse Universe

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



44.6767, 24.5301, 14.1842



42.3874, 21.8961, 7.4263



61.2611, 84.5972, 16.2343



18.1844, 18.0571, 19.5884



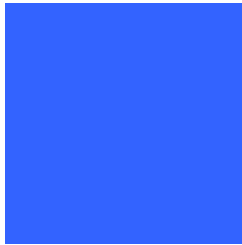
22.0222, 11.2982, 3.5012



2.1843, 1.1161, 0.5521

Previews

White Background



This preview shows how the XYZ color 23.8771, 16.8475, 96.6012 looks on a white background.

Color Contrast Check

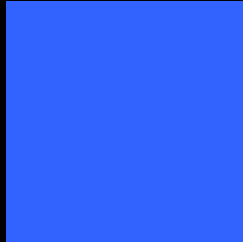
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8771, 16.8475, 96.6012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

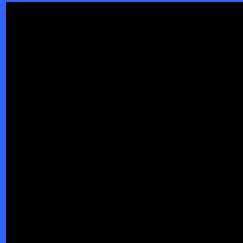
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8771, 16.8475, 96.6012

Background



This preview shows how black text looks on a background with the XYZ color 23.8771, 16.8475, 96.6012.



This preview shows how white text looks on a background with the XYZ color 23.8771, 16.8475,

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

23.8771, 16.8475, 96.6012

Protanopia

19.8924, 16.7068, 77.7776

Deuteranopia

16.4384, 16.5680, 55.7576



Tritanopia

11.6945, 16.6152, 24.7810

Trichromacy



Original Color

23.8771, 16.8475, 96.6012

Protanomaly

21.0483, 16.5329, 84.5199

Deuteranomaly

18.6307, 16.4048, 69.2023

Tritanomaly

14.4498, 15.8036, 43.8838

Monochromacy



Original Color

23.8771, 16.8475, 96.6012

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3925, 13.6150, 34.2171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8771, 16.8475, 96.6012 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(51, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 99, 255)  
}
```

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(51, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 99, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.8771, 16.8475, 96.6012 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(51, 99, 255) }
```


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

```
.border{ border-color:rgb(51, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 99,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8771, 16.8475, 96.6012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 99, 255) }
```

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

```
.background{ background-color: rgb(51, 99,  
255) }
```

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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