

Converting Colors

XYZ(23.0510, 17.2220, 96.7170)

Have a look what the booklet for
XYZ(23.0510, 17.2220, 96.7170)
contains.

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Color

**XYZ(23.1016, 17.3232,
96.7339)**

Conversions

Conversions Part 1

Format	Color
Hex	0069FF
RGB	0, 105, 255
RGB Percent	0%, 41%, 100%
CMY	0.9997, 0.5882, 0.0000
CMYK	1.00, 0.59, 0.00, 0.00
HSL	215°, 100%, 50%
HSV	215°, 100%, 100%
XYZ	23.1016, 17.3232, 96.7339
YIQ	90.7050, -110.7300, 24.3900

Conversions

Conversions Part 2

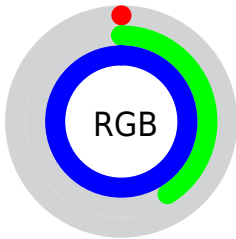
Format	Color
R_{YB}	0, 74, 255
Decimal	27135
CIE _{Lab}	48.66, 33.31, -80.78
CIE _{LCh}	49, 87.373, 292.409
Yxy	17.3232, 0.1684, 0.1263
Android (android.graphics.Color)	4278217215 (0xFF0069FF)
YUV	90.7050, 80.9974, -79.5483
Hunter-Lab	41.6211, 26.2385, -108.6642

Details

The XYZ color **23.1016, 17.3232, 96.7339** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **52.1589, 43.0972, 5.5717**, and the grayscale version is **9.7231, 10.2295, 11.1399**.

A 20% lighter version of the original color is **36.7108, 34.2401, 99.2819**, and **11.6420, 7.1591, 53.5916** is the 20% darker color. If you saturate the color by 10%, you get **23.0970, 17.3140, 96.7323**, and if you desaturate by 10%, it is **25.1822, 20.8680, 97.3084**.

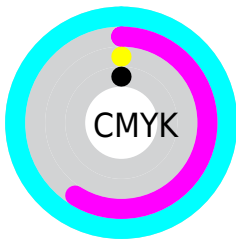
Distribution



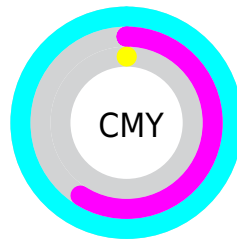
- Red (0%)
- Green (41%)
- Blue (100%)



- Red (0%)
- Yellow (29%)
- Blue (100%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1016, 17.3232, 96.7339 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 23.1016, 17.3232, 96.7339 by changing the saturation by 10% instead.

■ 23.1016, 17.3232,
96.7339

■ 23.1016, 17.3232,
96.7339

260.7720,
237.0281, 570.8266

■ 14.7897, 10.4652,
72.9741

■ 48.0255, 38.8806,
158.6740

■ 8.7572, 5.7085,
53.4631

■ 65.3682, 54.3489,
197.6914

■ 4.6390, 2.6686,
37.7823

■ 86.4519, 73.4559,
242.6318

■ 2.0696, 0.9613,
25.5133

■ 111.6418, 96.5863,
293.9136

■ 0.6726, 0.0000,
16.2374

■ 141.3035,
124.1243, 351.9555

■ 0.0000, 0.0000,
9.5361

175.8022,

■ 0.0000, 0.0000,

156.4543, 417.1759

4.9909

215.5032,
193.9608, 489.9934

■ 0.0000, 0.0000,
2.1833

■ 0.0000, 0.0000,
0.6647

■ 23.1016, 17.3232,
96.7339

■ 23.1016, 17.3232,
96.7339

■ 23.0970, 17.3140,
96.7323

■ 25.1822, 20.8680,
97.3084

■ 28.0842, 25.2561,
98.0025

■ 31.9849, 30.5970,
98.8278

■ 36.9964, 36.9658,
99.7929

■ 43.2141, 44.4278,
100.9055

■ 50.7222, 53.0418,
102.1725

■ 59.5968, 62.8617,
103.6002

■ 69.9074, 73.9377,
105.1946

■ 81.7190, 86.3167,
106.9615

Harmonies

Analogous

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



14.5033, 17.3232, 105.8071



23.1016, 17.3232, 96.7339



32.0347, 17.3232, 60.9064

Triad

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



23.1016, 17.3232, 96.7339



27.8321, 17.3232, 1.0270



5.3919, 17.3232, 13.5897

Complementary

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



23.1016, 17.3232, 96.7339



52.1589, 43.0972, 5.5717

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.



6.9910, 17.3232, 2.6820



23.1016, 17.3232, 96.7339



18.5964, 17.3232, 0.0000

Square

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



23.1016, 17.3232, 96.7339



35.3292, 17.3232, 6.5042



11.2396, 17.3232, 0.2188



5.8980, 17.3232, 41.3211

Rectangle

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



23.1016, 17.3232, 96.7339



36.0752, 17.3232, 35.6885



11.2396, 17.3232, 0.2188



5.6763, 17.3232, 8.3837

Sweetspot

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



23.1025, 17.3235, 96.7339



59.5683, 62.8307, 103.5957



41.1683, 73.6834, 40.3950



11.9129, 12.5303, 22.0407



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.



23.1025, 17.3235, 96.7339



23.0970, 17.3140, 96.7323



18.3669, 7.3846, 95.0651



17.6170, 18.6057, 22.9127



12.2071, 9.3237, 50.5909



1.2930, 1.1167, 4.9607

Inverse Universe

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



43.7906, 22.2816, 15.3572



43.7875, 22.2790, 15.3449



69.6121, 88.9714, 13.5064



18.3193, 18.1111, 20.2988



22.9498, 11.6692, 8.3859



2.2873, 1.1573, 1.0942

Previews

White Background



This preview shows how the XYZ color 23.1016, 17.3232, 96.7339 looks on a white background.

Color Contrast Check

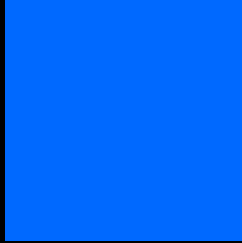
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1016, 17.3232, 96.7339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

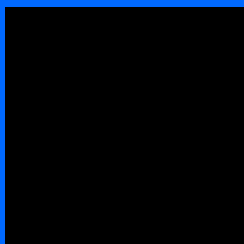
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

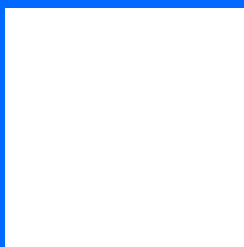
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1016, 17.3232, 96.7339

Background



This preview shows how black text looks on a background with the XYZ color 23.1016, 17.3232, 96.7339.



This preview shows how white text looks on a background with the XYZ color 23.1016, 17.3232,

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

23.1016, 17.3232, 96.7339

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.0210, 17.1739, 57.6761



Tritanopia

12.0923, 17.1876, 25.6019

Trichromacy



Original Color

23.1016, 17.3232, 96.7339

Protanomaly

21.4957, 17.3481, 86.2200

Deuteranomaly

18.9563, 17.0307, 70.6948

Tritanomaly

14.8532, 16.6876, 45.0860

Monochromacy



Original Color

23.1016, 17.3232, 96.7339

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.5137, 11.4996, 30.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1016, 17.3232, 96.7339 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(0, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 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(0, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.1016, 17.3232, 96.7339 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(0, 105, 255) }
```


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

```
.border{ border-color:rgb(0, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1016, 17.3232, 96.7339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 255) }
```

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

```
.background{ background-color: rgb(0, 105,  
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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