

Converting Colors

XYZ(12.6314, 12.4043,
106.7557)

Have a look what the booklet for
XYZ(12.6314, 12.4043, 106.7557)
contains.

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Color

**XYZ(23.6259, 18.3719,
96.9086)**

Conversions

Conversions Part 1

Format	Color
Hex	006EFF
RGB	0, 110, 255
RGB Percent	0%, 43%, 100%
CMY	0.9997, 0.5686, 0.0000
CMYK	1.00, 0.57, 0.00, 0.00
HSL	214°, 100%, 50%
HSV	214°, 100%, 100%
XYZ	23.6259, 18.3719, 96.9086
YIQ	93.6400, -112.1050, 21.7750

Conversions

Conversions Part 2

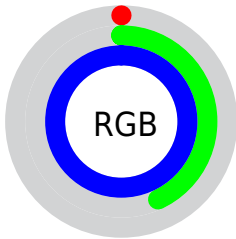
Format	Color
R _Y B	0, 77, 255
Decimal	28415
CIE Lab	49.94, 30.14, -78.69
CIE LCh	50, 84.259, 290.957
Yxy	18.3719, 0.1701, 0.1323
Android (android.graphics.Color)	4278218495 (0xFF006EFF)
YUV	93.6400, 79.5505, -82.1223
Hunter-Lab	42.8625, 23.3804, -104.0463

Details

The XYZ color **23.6259, 18.3719, 96.9086** 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 **51.3768, 41.5330, 5.3109**, and the grayscale version is **10.3977, 10.9392, 11.9127**.

A 20% lighter version of the original color is **37.6049, 36.2204, 99.6170**, and **11.9114, 7.6980, 53.6814** is the 20% darker color. If you saturate the color by 10%, you get **23.6215, 18.3630, 96.9072**, and if you desaturate by 10%, it is **25.7361, 21.9759, 97.4931**.

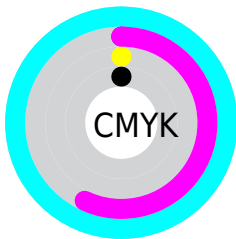
Distribution



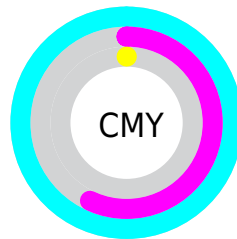
- Red (0%)
- Green (43%)
- Blue (100%)



- Red (0%)
- Yellow (30%)
- Blue (100%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6259, 18.3719, 96.9086 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 23.6259, 18.3719, 96.9086 by changing the saturation by 10% instead.

■ 23.6259, 18.3719,
96.9086

■ 23.6259, 18.3719,
96.9086

263.3994,
242.9590, 571.3970

■ 15.1796, 11.2173,
73.1189

■ 48.8782, 40.6700,
158.9170

■ 9.0326, 6.2132,
53.5808

■ 66.4148, 56.5824,
197.9727

■ 4.8198, 2.9752,
37.8757

■ 87.7123, 76.1827,
242.9542

■ 2.1756, 1.1188,
25.5851

■ 113.1359, 99.8555,
294.2800

■ 0.7298, 0.0000,
16.2906

■ 143.0511,
127.9852, 352.3686

■ 0.0000, 0.0000,
9.5734

177.8232,

■ 0.0000, 0.0000,

160.9560, 417.6386

5.0152

217.8175,
199.1525, 490.5086

■ 0.0000, 0.0000,
2.1973

■ 0.0000, 0.0000,
0.6728

■ 23.6259, 18.3719,
96.9086

■ 23.6259, 18.3719,
96.9086

■ 23.6215, 18.3630,
96.9072

■ 25.7361, 21.9759,
97.4931

■ 28.6526, 26.3932,
98.1920

■ 32.5514, 31.7305,
99.0167

■ 37.5433, 38.0602,
99.9754

■ 43.7225, 45.4455,
101.0752

■ 51.1722, 53.9429,
102.3227

■ 59.9674, 63.6043,
103.7240

■ 70.1768, 74.4780,
105.2847

■ 81.8642, 86.6089,
107.0102

Harmonies

Analogous

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



15.1332, 18.3719, 103.9115



23.6259, 18.3719, 96.9086



32.5128, 18.3719, 63.1300

Triad

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



23.6259, 18.3719, 96.9086



29.1838, 18.3719, 1.5293



6.1775, 18.3719, 13.7964

Complementary

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



23.6259, 18.3719, 96.9086



51.3768, 41.5330, 5.3109

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.



7.9647, 18.3719, 3.0322



23.6259, 18.3719, 96.9086



20.0181, 18.3719, 0.2027

Square

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



23.6259, 18.3719, 96.9086



36.3485, 18.3719, 7.9407



12.4758, 18.3719, 0.5191



6.6043, 18.3719, 40.4998

Rectangle

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



23.6259, 18.3719, 96.9086



36.6385, 18.3719, 38.3059



12.4758, 18.3719, 0.5191



6.5119, 18.3719, 8.7191

Sweetspot

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



23.6268, 18.3723, 96.9087



59.9407, 63.5755, 103.7198



40.8356, 73.5504, 38.6433



12.0003, 12.7051, 22.0698



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.



23.6268, 18.3723, 96.9087



23.6215, 18.3630, 96.9072



18.2831, 7.3413, 95.0611



17.6472, 18.6659, 22.9227



12.4843, 9.8782, 50.6833



1.3216, 1.1738, 4.9702

Inverse Universe

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



44.0552, 22.3873, 16.7510



44.0522, 22.3849, 16.7390



71.0219, 89.6981, 13.5723



18.3346, 18.1171, 20.3789



23.0897, 11.7252, 9.1228



2.3017, 1.1630, 1.1700

Previews

White Background



This preview shows how the XYZ color 23.6259, 18.3719, 96.9086 looks on a white background.

Color Contrast Check

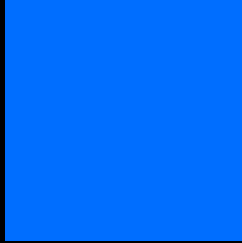
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.6259, 18.3719, 96.9086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

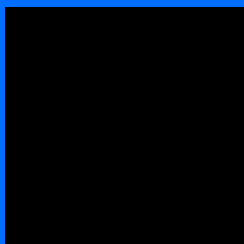
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

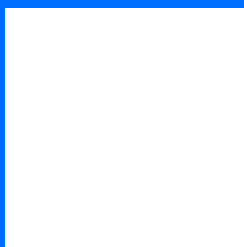
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6259, 18.3719, 96.9086

Background



This preview shows how black text looks on a background with the XYZ color 23.6259, 18.3719, 96.9086.



This preview shows how white text looks on a background with the XYZ color 23.6259, 18.3719,

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

23.6259, 18.3719, 96.9086

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.0999, 18.1797, 61.5866

Trichromacy



Original Color

23.6259, 18.3719, 96.9086

Protanomaly

22.5397, 18.4641, 89.5647

Deuteranomaly

19.8158, 18.1044, 72.9711

Monochromacy



Original Color

23.6259, 18.3719, 96.9086

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.1704, 12.3749, 31.8841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6259, 18.3719, 96.9086 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, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 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, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.6259, 18.3719, 96.9086 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, 110, 255) }
```

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

```
.border{ border-color:rgb(0, 110, 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, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 23.6259, 18.3719, 96.9086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 255) }
```

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

```
.background{ background-color: rgb(0, 110,  
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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