

Converting Colors

XYZ(23.4675, 18.9856, 86.0905)

Have a look what the booklet for
XYZ(23.4675, 18.9856, 86.0905)
contains.

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Color

**XYZ(23.5630, 19.0618,
86.4418)**

Conversions

Conversions Part 1

Format	Color
Hex	3871F2
RGB	56, 113, 242
RGB Percent	22%, 44%, 95%
CMY	0.7803, 0.5569, 0.0510
CMYK	0.77, 0.53, 0.00, 0.05
HSL	222°, 88%, 58%
HSV	222°, 77%, 95%
XYZ	23.5630, 19.0618, 86.4418
YIQ	110.6630, -75.3810, 28.0350

Conversions

Conversions Part 2

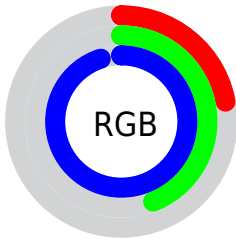
Format	Color
R_{YB}	56, 100, 242
Decimal	3699186
CIE _{Lab}	50.76, 26.34, -70.09
CIE _{LCh}	51, 74.875, 290.599
Yxy	19.0618, 0.1826, 0.1477
Android (android.graphics.Color)	4281889266 (0xFF3871F2)
YUV	110.6630, 64.7491, -47.9395
Hunter-Lab	43.6598, 19.9309, -86.8260

Details

The XYZ color **23.5630, 19.0618, 86.4418** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **54.6844, 53.8672, 11.2585**, and the grayscale version is **14.8479, 15.6212, 17.0115**.

A 20% lighter version of the original color is **40.3787, 38.4380, 99.8988**, and **10.7052, 7.3992, 46.7629** is the 20% darker color. If you saturate the color by 10%, you get **20.8195, 15.1200, 85.8260**, and if you desaturate by 10%, it is **27.3076, 24.0339, 87.2046**.

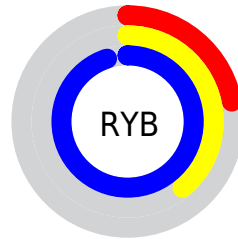
Distribution



Red (22%)

Green (44%)

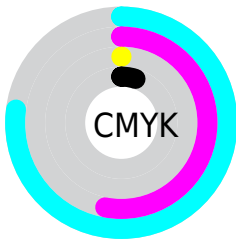
Blue (95%)



Red (22%)

Yellow (39%)

Blue (95%)

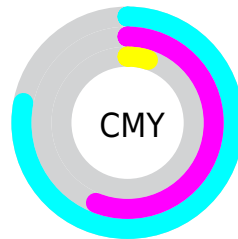


Cyan (77%)

Magenta (53%)

Yellow (0%)

Black (5%)



Cyan (78%)

Magenta (56%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5630, 19.0618, 86.4418 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 23.5630, 19.0618, 86.4418 by changing the saturation by 10% instead.

■ 23.5630, 19.0618,
86.4418

■ 23.5630, 19.0618,
86.4418

263.0853,
246.7897, 536.6554

■ 15.1327, 11.7149,
64.4764

■ 48.7760, 41.8385,
144.2778

■ 8.9995, 6.5499,
46.5880

■ 66.2895, 58.0371,
180.9855

■ 4.7980, 3.1822,
32.3580

■ 87.5614, 77.9551,
223.4444

■ 2.1628, 1.2276,
21.3680

■ 112.9572,
101.9769, 272.0730

■ 0.7230, 0.0841,
13.1994

142.8421,
130.4869, 327.2899

■ 0.0000, 0.0000,
7.4337

177.5815,

■ 0.0000, 0.0000,

163.8694, 389.5135

3.6522

217.5408,
202.5089, 459.1625

■ 0.0000, 0.0000,
1.4366

■ 0.0000, 0.0000,
0.1700

■ 23.5630, 19.0618,
86.4418

■ 23.5630, 19.0618,
86.4418

■ 20.8195, 15.1200,
85.8260

■ 27.3076, 24.0339,
87.2046

■ 18.9495, 12.1141,
85.3444

■ 32.1513, 30.1129,
88.1227

■ 18.4858, 11.3282,
85.2172

■ 38.1824, 37.3688,
89.2054

■ 45.4788, 45.8646,
90.4607

■ 54.1114, 55.6587,
91.8961

■ 64.1459, 66.8054,
93.5188

■ 75.6432, 79.3556,
95.3352

■ 88.6606, 93.3579,
97.3518

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



15.9044, 19.0618, 91.8463



23.5630, 19.0618, 86.4418



31.3908, 19.0618, 58.5410

Triad

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



23.5630, 19.0618, 86.4418



28.6589, 19.0618, 2.5531



7.4401, 19.0618, 14.8174

Complementary

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



23.5630, 19.0618, 86.4418



54.6844, 53.8672, 11.2585

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.



9.2392, 19.0618, 4.2001



23.5630, 19.0618, 86.4418



20.5273, 19.0618, 0.9541

Square

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



23.5630, 19.0618, 86.4418



34.8425, 19.0618, 9.5172



13.5834, 19.0618, 1.2415



7.8418, 19.0618, 38.5160

Rectangle

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



23.5630, 19.0618, 86.4418



34.9992, 19.0618, 37.3258



13.5834, 19.0618, 1.2415



7.7840, 19.0618, 9.9986

Sweetspot

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



23.5639, 19.0623, 86.4423



65.0338, 67.2581, 104.1622



41.9422, 67.7691, 55.7272



13.0814, 13.4589, 22.1583



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.



23.5639, 19.0623, 86.4423



22.1982, 15.0760, 96.3477



21.6693, 11.4199, 85.0670



15.2922, 16.0186, 20.0075



10.0364, 6.2970, 45.8143



0.9196, 0.6933, 3.8396

Inverse Universe

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



41.0137, 22.8994, 17.8812



43.4413, 22.5522, 12.2531



58.4517, 77.1862, 15.5609



15.9722, 15.8386, 17.4098



20.3915, 10.4290, 4.7124



1.7391, 0.8847, 0.6172

Previews

White Background



This preview shows how the XYZ color 23.5630, 19.0618, 86.4418 looks on a white background.

Color Contrast Check

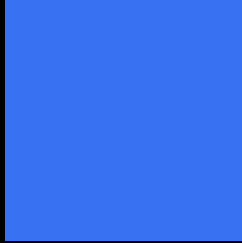
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5630, 19.0618, 86.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

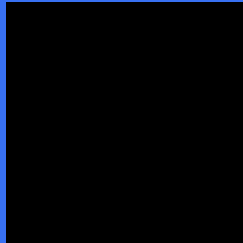
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

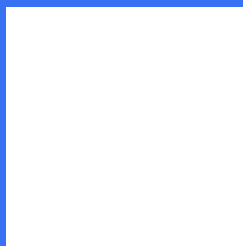
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5630, 19.0618, 86.4418

Background



This preview shows how black text looks on a background with the XYZ color 23.5630, 19.0618, 86.4418.



This preview shows how white text looks on a background with the XYZ color 23.5630, 19.0618,

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

23.5630, 19.0618, 86.4418

Protanopia

22.8433, 18.9732, 88.8444

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

23.5630, 19.0618, 86.4418

Protanomaly

22.9115, 18.8576, 88.0203

Deuteranomaly

20.3399, 18.7242, 73.0631

Tritanomaly

15.7852, 18.2848, 44.8168

Monochromacy



Original Color

23.5630, 19.0618, 86.4418

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.3666, 16.3157, 35.0875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5630, 19.0618, 86.4418 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(56, 113, 242)` looks like.

```
.text, #text, p{  
    color:rgb(56, 113, 242)  
}
```

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(56, 113, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 113, 242) }
```

Border

The CSS property to change the border of an element to XYZ 23.5630, 19.0618, 86.4418 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(56, 113, 242) }
```


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

```
.border{ border-color:rgb(56, 113, 242) }
```

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

Here you see how a box with a 4 pixel rgb(56, 113, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 113, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 113, 242);  
box-shadow:4px 4px 4px 4px rgb(56, 113,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5630, 19.0618, 86.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 113, 242) }
```

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

```
.background{ background-color: rgb(56, 113,  
242) }
```

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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