

Converting Colors

XYZ(23.3526, 16.1406, 93.1527)

Have a look what the booklet for
XYZ(23.3526, 16.1406, 93.1527)
contains.

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Color

**XYZ(23.3084, 16.0793,
93.1419)**

Conversions

Conversions Part 1

Format	Color
Hex	3B5FFB
RGB	59, 95, 251
RGB Percent	23%, 37%, 98%
CMY	0.7686, 0.6275, 0.0157
CMYK	0.76, 0.62, 0.00, 0.02
HSL	229°, 96%, 61%
HSV	229°, 76%, 98%
XYZ	23.3084, 16.0793, 93.1419
YIQ	102.0200, -71.5320, 40.8840

Conversions

Conversions Part 2

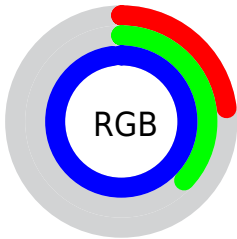
Format	Color
R _Y B	59, 89, 251
Decimal	3891195
CIE Lab	47.08, 41.07, -81.10
CIE LCh	47, 90.909, 296.861
Yxy	16.0793, 0.1759, 0.1213
Android (android.graphics.Color)	4282081275 (0xFF3B5FFB)
YUV	102.0200, 73.4471, -37.7285
Hunter-Lab	40.0990, 33.5837, -109.6494

Details

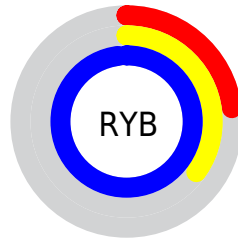
The XYZ color **23.3084, 16.0793, 93.1419** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **64.8779, 69.4339, 14.1222**, and the grayscale version is **12.4636, 13.1127, 14.2798**.

A 20% lighter version of the original color is **37.8483, 32.4573, 98.8778**, and **10.7662, 6.1315, 51.0681** is the 20% darker color. If you saturate the color by 10%, you get **20.5588, 12.2823, 92.5544**, and if you desaturate by 10%, it is **27.2549, 21.2069, 93.9241**.

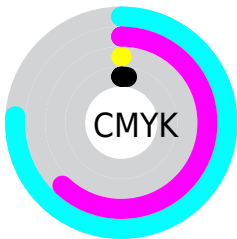
Distribution



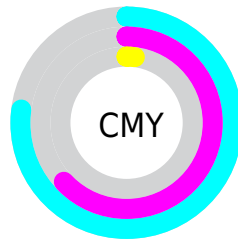
- Red (23%)
- Green (37%)
- Blue (98%)



- Red (23%)
- Yellow (35%)
- Blue (98%)



- Cyan (76%)
- Magenta (62%)
- Yellow (0%)
- Black (2%)



- Cyan (77%)
- Magenta (63%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3084, 16.0793, 93.1419 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 23.3084, 16.0793, 93.1419 by changing the saturation by 10% instead.

■ 23.3084, 16.0793,
93.1419

■ 23.3084, 16.0793,
93.1419

261.8109,
229.8092, 559.0309

■ 14.9433, 9.5803,
70.0011

■ 48.3622, 36.7358,
153.6685

■ 8.8657, 5.1216,
51.0506

■ 65.7816, 51.6621,
191.8913

■ 4.7101, 2.3188,
35.8719

■ 86.9498, 70.1663,
235.9786

■ 2.1112, 0.7836,
24.0464

■ 112.2322, 92.6327,
286.3490

■ 0.6953, 0.0000,
15.1555

141.9942,
119.4459, 343.4208

■ 0.0000, 0.0000,
8.7808

176.6011,

■ 0.0000, 0.0000,

150.9900, 407.6127

4.5036

216.4182,
187.6497, 479.3432

■ 0.0000, 0.0000,
1.9055

■ 0.0000, 0.0000,
0.4962

■ 23.3084, 16.0793,
93.1419

■ 23.3084, 16.0793,
93.1419

■ 20.5588, 12.2823,
92.5544

■ 27.2549, 21.2069,
93.9241

■ 18.8519, 9.6798,
92.1420

■ 32.5204, 27.7792,
94.9151

■ 18.4311, 9.0018,
92.0333

■ 39.2140, 35.8986,
96.1295

■ 47.4326, 45.6575,
97.5800

■ 57.2642, 57.1409,
99.2784

■ 68.7902, 70.4278,
101.2355

■ 82.0863, 85.5923,
103.4618

■ 94.4127, 99.7451,
105.5439

Harmonies

Analogous

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



14.4587, 16.0793, 108.1144



23.3084, 16.0793, 93.1419



32.0486, 16.0793, 54.1472

Triad

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



23.3084, 16.0793, 93.1419



25.2886, 16.0793, 0.3529



4.5176, 16.0793, 15.2117

Complementary

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



23.3084, 16.0793, 93.1419



64.8779, 69.4339, 14.1222

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.



5.7049, 16.0793, 2.8035



23.3084, 16.0793, 93.1419



16.1379, 16.0793, 0.0000

Square

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



23.3084, 16.0793, 93.1419



33.4438, 16.0793, 4.2196



9.3502, 16.0793, 0.0048



5.2807, 16.0793, 45.7795

Rectangle

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



23.3084, 16.0793, 93.1419



35.5999, 16.0793, 29.5043



9.3502, 16.0793, 0.0048



4.6876, 16.0793, 9.3037

Sweetspot

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



23.3093, 16.0797, 93.1424



63.3022, 63.7949, 103.5850



48.2618, 74.7089, 74.5637



12.6709, 12.6380, 22.0215



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.



23.3093, 16.0797, 93.1424



20.2012, 11.0819, 95.6820



26.2612, 13.8494, 92.5563



16.5462, 17.1693, 21.8272



9.7647, 4.8850, 48.4018



0.9729, 0.5894, 4.5057

Inverse Universe

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



43.4141, 24.4649, 13.2604



42.4333, 22.1490, 6.9450



57.3828, 80.7013, 16.6921



17.3775, 17.2784, 18.5776



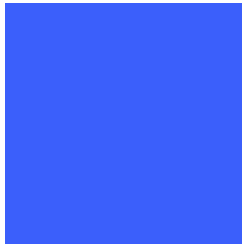
21.2208, 10.9040, 2.6052



2.0000, 1.0237, 0.4233

Previews

White Background



This preview shows how the XYZ color 23.3084, 16.0793, 93.1419 looks on a white background.

Color Contrast Check

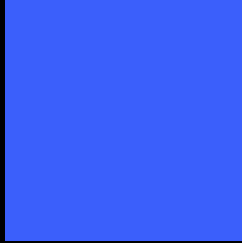
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3084, 16.0793, 93.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

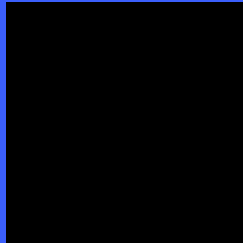
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3084, 16.0793, 93.1419

Background



This preview shows how black text looks on a background with the XYZ color 23.3084, 16.0793, 93.1419.



This preview shows how white text looks on a background with the XYZ color 23.3084, 16.0793,

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

23.3084, 16.0793, 93.1419

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

15.7549, 15.9297, 53.2833



Tritanopia

11.1797, 15.8046, 23.9341

Trichromacy



Original Color

23.3084, 16.0793, 93.1419

Protanomaly

20.1549, 15.8581, 80.5959

Deuteranomaly

17.8327, 15.5811, 66.3575

Tritanomaly

13.9523, 15.0648, 42.7299

Monochromacy



Original Color

23.3084, 16.0793, 93.1419

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.3003, 13.3024, 33.2664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3084, 16.0793, 93.1419 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(59, 95, 251)` looks like.

```
.text, #text, p{  
    color:rgb(59, 95, 251)  
}
```

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(59, 95, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 95, 251) }
```

Border

The CSS property to change the border of an element to XYZ 23.3084, 16.0793, 93.1419 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(59, 95, 251) }
```


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

```
.border{ border-color:rgb(59, 95, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 95, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 95, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 95, 251);  
box-shadow:4px 4px 4px 4px rgb(59, 95,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3084, 16.0793, 93.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 95, 251) }
```

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

```
.background{ background-color: rgb(59, 95,  
251) }
```

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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