

Converting Colors

XYZ(23.7491, 16.5901, 96.5582)

Have a look what the booklet for
XYZ(23.7491, 16.5901, 96.5582)
contains.

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Color

**XYZ(23.7829, 16.6592,
96.5698)**

Conversions

Conversions Part 1

Format	Color
Hex	3362FF
RGB	51, 98, 255
RGB Percent	20%, 38%, 100%
CMY	0.7999, 0.6157, 0.0000
CMYK	0.80, 0.62, 0.00, 0.00
HSL	226°, 100%, 60%
HSV	226°, 80%, 100%
XYZ	23.7829, 16.6592, 96.5698
YIQ	101.8450, -78.4090, 38.8630

Conversions

Conversions Part 2

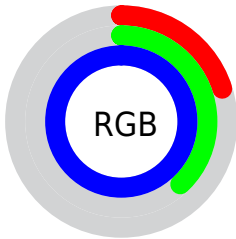
Format	Color
R _Y B	51, 89, 255
Decimal	3367679
CIE Lab	47.83, 39.95, -82.11
CIE LCh	48, 91.314, 295.947
Yxy	16.6592, 0.1736, 0.1216
Android (android.graphics.Color)	4281557759 (0xFF3362FF)
YUV	101.8450, 75.5054, -44.5911
Hunter-Lab	40.8157, 32.5828, -111.7090

Details

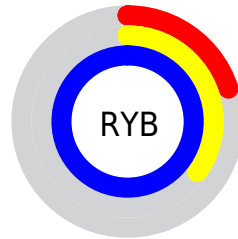
The XYZ color **23.7829, 16.6592, 96.5698** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **64.3983, 66.6198, 12.5988**, and the grayscale version is **12.4147, 13.0612, 14.2237**.

A 20% lighter version of the original color is **37.8458, 33.1456, 99.0108**, and **11.3511, 6.5774, 53.4946** is the 20% darker color. If you saturate the color by 10%, you get **21.2147, 12.9352, 95.9863**, and if you desaturate by 10%, it is **27.5063, 21.6468, 97.3363**.

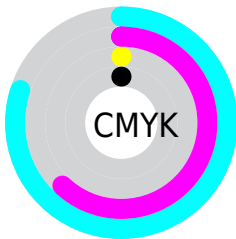
Distribution



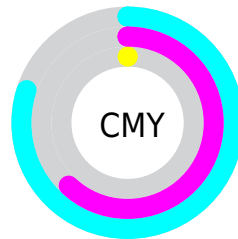
- Red (20%)
- Green (38%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7829, 16.6592, 96.5698 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 23.7829, 16.6592, 96.5698 by changing the saturation by 10% instead.

■ 23.7829, 16.6592,
96.5698

■ 23.7829, 16.6592,
96.5698

264.1819,
233.2007, 570.2906

■ 15.2965, 9.9918,
72.8381

■ 49.1330, 37.7389,
158.4458

■ 9.1154, 5.3935,
53.3526

■ 66.7273, 52.9200,
197.4271

■ 4.8743, 2.4800,
37.6947

■ 88.0884, 71.7077,
242.3288

■ 2.2077, 0.8666,
25.4458

■ 113.5816, 94.4866,
293.5693

■ 0.7468, 0.0000,
16.1875

143.5721,
121.6409, 351.5672

■ 0.0000, 0.0000,
9.5011

178.4255,

■ 0.0000, 0.0000,

153.5551, 416.7410

4.9682

218.5070,
190.6136, 489.5093

■ 0.0000, 0.0000,
2.1702

■ 0.0000, 0.0000,
0.6571

■ 23.7829, 16.6592,
96.5698

■ 23.7829, 16.6592,
96.5698

■ 21.2147, 12.9352,
95.9863

■ 27.5063, 21.6468,
97.3363

■ 19.6012, 10.3220,
95.5670

■ 32.5132, 28.0091,
98.3004

■ 19.6002, 10.3205,
95.5667

■ 38.9163, 35.8451,
99.4754

■ 46.8151, 45.2437,
100.8732

■ 56.2991, 56.2864,
102.5048

■ 67.4511, 69.0488,
104.3804

■ 80.3478, 83.6017,
106.5097

■ 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.



14.7457, 16.6592, 110.7454



23.7829, 16.6592, 96.5698



32.8183, 16.6592, 56.9903

Triad

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



23.7829, 16.6592, 96.5698



26.4050, 16.6592, 0.4758



4.7393, 16.6592, 15.1314

Complementary

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



23.7829, 16.6592, 96.5698



64.3983, 66.6198, 12.5988

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.



6.0342, 16.6592, 2.7834



23.7829, 16.6592, 96.5698



16.9747, 16.6592, 0.0000

Square

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



23.7829, 16.6592, 96.5698



34.6632, 16.6592, 4.6871



9.8889, 16.6592, 0.0246



5.4672, 16.6592, 45.9368

Rectangle

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



23.7829, 16.6592, 96.5698



36.5816, 16.6592, 31.4603



9.8889, 16.6592, 0.0246



4.9355, 16.6592, 9.2358

Sweetspot

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



23.7838, 16.6595, 96.5698



62.7773, 63.7238, 103.5989



48.4381, 76.7491, 71.5520



12.5969, 12.6769, 22.0329



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.



23.7838, 16.6595, 96.5698



20.1601, 11.2507, 95.7168



25.1089, 12.6175, 95.7198



17.3424, 18.0565, 22.8212



10.3340, 5.5776, 49.9665



1.0847, 0.7001, 4.8912

Inverse Universe

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



44.6292, 24.5110, 13.9340



42.3514, 21.8817, 7.2362



60.3392, 84.1220, 16.1910



18.1807, 18.0556, 19.5689



22.0043, 11.2910, 3.4073



2.1821, 1.1152, 0.5404

Previews

White Background



This preview shows how the XYZ color 23.7829, 16.6592, 96.5698 looks on a white background.

Color Contrast Check

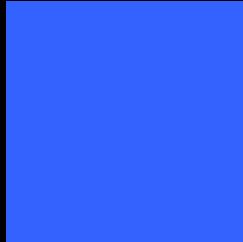
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7829, 16.6592, 96.5698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

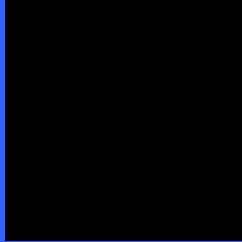
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7829, 16.6592, 96.5698

Background



This preview shows how black text looks on a background with the XYZ color 23.7829, 16.6592, 96.5698.



This preview shows how white text looks on a background with the XYZ color 23.7829, 16.6592,

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

23.7829, 16.6592, 96.5698

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.2088, 16.2927, 55.1138



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

23.7829, 16.6592, 96.5698

Protanomaly

20.6515, 16.2121, 82.9297

Deuteranomaly

18.3921, 16.1377, 68.4752

Tritanomaly

14.3351, 15.5742, 43.8456

Monochromacy



Original Color

23.7829, 16.6592, 96.5698

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 23.7829, 16.6592, 96.5698 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, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 98, 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, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 98, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.7829, 16.6592, 96.5698 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, 98, 255) }
```


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

```
.border{ border-color:rgb(51, 98, 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, 98, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 98,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7829, 16.6592, 96.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 98, 255) }
```

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

```
.background{ background-color: rgb(51, 98,  
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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