

Converting Colors

XYZ(22.9888, 13.1709, 95.9383)

Have a look what the booklet for
XYZ(22.9888, 13.1709, 95.9383)
contains.

XYZ(23.0399, 13.2324, 95.9475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0399, 13.2324,
95.9475)**

Conversions

Conversions Part 1

Format	Color
Hex	4848FF
RGB	72, 72, 255
RGB Percent	28%, 28%, 100%
CMY	0.7176, 0.7177, 0.0000
CMYK	0.72, 0.72, 0.00, 0.00
HSL	240°, 100%, 64%
HSV	240°, 72%, 100%
XYZ	23.0399, 13.2324, 95.9475
YIQ	92.8620, -58.7430, 56.9130

Conversions

Conversions Part 2

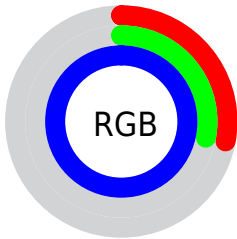
Format	Color
R _Y B	72, 72, 255
Decimal	4737279
CIE Lab	43.11, 56.97, -89.83
CIE LCh	43, 106.369, 302.382
Yxy	13.2324, 0.1743, 0.1001
Android (android.graphics.Color)	4282927359 (0xFF4848FF)
YUV	92.8620, 79.9340, -18.2960
Hunter-Lab	36.3764, 49.3989, -130.9218

Details

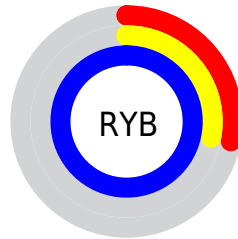
The XYZ color **23.0399, 13.2324, 95.9475** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **78.1634, 93.2447, 20.0088**, and the grayscale version is **10.2031, 10.7344, 11.6898**.

A 20% lighter version of the original color is **36.5111, 27.0684, 97.9081**, and **10.4047, 4.6845, 53.1791** is the 20% darker color. If you saturate the color by 10%, you get **20.1966, 9.8060, 95.4360**, and if you desaturate by 10%, it is **27.3552, 18.4311, 96.7235**.

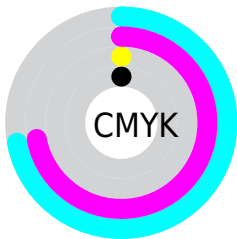
Distribution



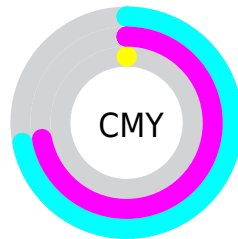
- Red (28%)
- Green (28%)
- Blue (100%)



- Red (28%)
- Yellow (28%)
- Blue (100%)



- Cyan (72%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0399, 13.2324, 95.9475 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 23.0399, 13.2324, 95.9475 by changing the saturation by 10% instead.


 23.0399, 13.2324,
95.9475

 23.0399, 13.2324,
95.9475


260.4614,
212.4018, 568.2555


 14.7438, 7.5888,
72.3226


 47.9250, 31.7207,
157.5798

 8.7249, 3.8330,
52.9338


 65.2448, 45.3341,
196.4242


 4.6179, 1.5806,
37.3626


 86.3031, 62.3729,
241.1790

 2.0573, 0.3444,
25.1903

 111.4654, 83.2215,
292.2625

 0.6658, 0.0000,
15.9986

 141.0970,
108.2643, 350.0934

 0.0000, 0.0000,
9.3688

175.5633,

 0.0000, 0.0000,

137.8857, 415.0902

4.8824

215.2297,
172.4701, 487.6713

■ 0.0000, 0.0000,
2.1209

■ 0.0000, 0.0000,
0.6282

■ 23.0399, 13.2324,
95.9475

■ 23.0399, 13.2324,
95.9475

■ 20.1966, 9.8060,
95.4360

■ 27.3552, 18.4311,
96.7235

■ 18.6278, 7.9159,
95.1539

■ 33.3023, 25.5968,
97.7932

■ 18.0503, 7.2202,
95.0500

■ 41.0227, 34.8994,
99.1819

■ 50.6420, 46.4902,
100.9121

■ 62.2746, 60.5069,
103.0045

■ 76.0257, 77.0764,
105.4780

■ 91.9931, 96.3166,
108.3501

■ 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.



13.2432, 13.2324, 122.8196



23.0399, 13.2324, 95.9475



32.3334, 13.2324, 47.0700

Triad

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



23.0399, 13.2324, 95.9475



21.3833, 13.2324, 0.0000



2.4907, 13.2324, 16.3656

Complementary

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



23.0399, 13.2324, 95.9475



78.1634, 93.2447, 20.0088

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.



3.1462, 13.2324, 1.9815



23.0399, 13.2324, 95.9475



11.9335, 13.2324, 0.0000

Square

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



23.0399, 13.2324, 95.9475



31.1202, 13.2324, 1.2360



5.8865, 13.2324, 0.0000



3.4134, 13.2324, 54.5893

Rectangle

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



23.0399, 13.2324, 95.9475



35.5413, 13.2324, 21.2535



5.8865, 13.2324, 0.0000



2.5336, 13.2324, 9.2169

Sweetspot

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



23.0407, 13.2326, 95.9475



61.9784, 60.1500, 102.9512



56.4823, 80.1176, 107.0951



12.5497, 12.0116, 21.9070



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.



23.0407, 13.2326, 95.9475



19.3897, 8.8337, 95.2909



35.5737, 19.6936, 96.5340



17.0033, 17.3779, 22.7080



9.4317, 3.7727, 49.6657



0.9184, 0.3674, 4.8358

Inverse Universe

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



61.6045, 33.1133, 97.7382



59.9086, 29.7224, 97.1702



52.1361, 79.8271, 18.7907



18.7927, 18.3004, 22.7914



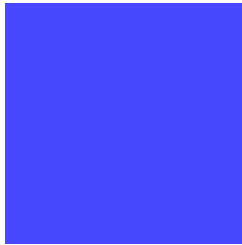
30.9784, 14.8806, 50.6640



3.0163, 1.4489, 4.9331

Previews

White Background



This preview shows how the XYZ color 23.0399, 13.2324, 95.9475 looks on a white background.

Color Contrast Check

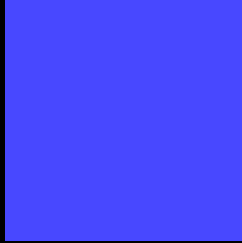
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0399, 13.2324, 95.9475 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 23.0399, 13.2324, 95.9475

Background



This preview shows how black text looks on a background with the XYZ color 23.0399, 13.2324, 95.9475.



This preview shows how white text looks on a background with the XYZ color 23.0399, 13.2324,

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

23.0399, 13.2324, 95.9475

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

12.6882, 12.9958, 42.3971



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

23.0399, 13.2324, 95.9475

Protanomaly

17.2350, 12.5268, 71.3216

Deuteranomaly

15.1522, 12.2335, 58.6894

Tritanomaly

11.7686, 11.5962, 38.6638

Monochromacy



Original Color

23.0399, 13.2324, 95.9475

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.6623, 10.6953, 31.1028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0399, 13.2324, 95.9475 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(72, 72, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 72, 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(72, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 72, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.0399, 13.2324, 95.9475 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(72, 72, 255) }
```


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

```
.border{ border-color:rgb(72, 72, 255) }
```

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

Here you see how a box with a 4 pixel rgb(72, 72, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 72,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0399, 13.2324, 95.9475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 72, 255) }
```

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

```
.background{ background-color: rgb(72, 72,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor