

Converting Colors

XYZ(23.3416, 13.0165, 95.8899)

Have a look what the booklet for
XYZ(23.3416, 13.0165, 95.8899)
contains.

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Color

**XYZ(23.3416, 13.0165,
95.8899)**

Conversions

Conversions Part 1

Format	Color
Hex	4F44FF
RGB	79, 68, 255
RGB Percent	31%, 27%, 100%
CMY	0.6901, 0.7333, 0.0000
CMYK	0.69, 0.73, 0.00, 0.00
HSL	244°, 100%, 63%
HSV	244°, 73%, 100%
XYZ	23.3416, 13.0165, 95.8899
YIQ	92.6070, -53.4710, 60.4890

Conversions

Conversions Part 2

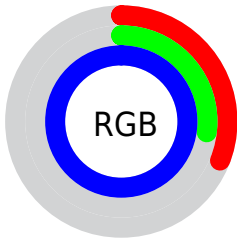
Format	Color
R _Y B	79, 68, 255
Decimal	5195007
CIE Lab	42.79, 59.72, -90.35
CIE LCh	43, 108.298, 303.463
Yxy	13.0165, 0.1765, 0.0984
Android (android.graphics.Color)	4283385087 (0xFF4F44FF)
YUV	92.6070, 80.0597, -11.9333
Hunter-Lab	36.0784, 52.3468, -132.3273

Details

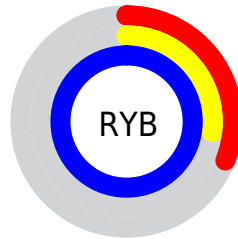
The XYZ color **23.3416, 13.0165, 95.8899** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **74.1065, 91.1678, 19.1598**, and the grayscale version is **10.1431, 10.6713, 11.6211**.

A 20% lighter version of the original color is **37.0413, 26.8032, 97.8290**, and **10.2944, 4.4638, 53.1424** is the 20% darker color. If you saturate the color by 10%, you get **20.4720, 9.7240, 95.4057**, and if you desaturate by 10%, it is **27.6028, 18.0205, 96.6312**.

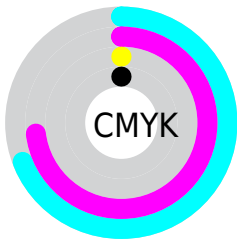
Distribution



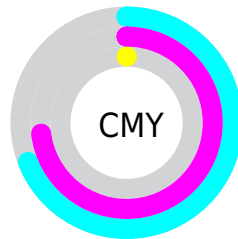
- Red (31%)
- Green (27%)
- Blue (100%)



- Red (31%)
- Yellow (27%)
- Blue (100%)



- Cyan (69%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3416, 13.0165, 95.8899 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 23.3416, 13.0165, 95.8899 by changing the saturation by 10% instead.


 23.3416, 13.0165,
95.8899

 23.3416, 13.0165,
95.8899


261.9774,
211.0234, 568.0669

 14.9680, 7.4399,
72.2749


 48.4162, 31.3334,
157.4996

 8.8831, 3.7387,
52.8951

 65.8479, 44.8425,
196.3314


 4.7215, 1.5285,
37.3318


 87.0297, 61.7646,
241.0725

 2.1179, 0.3087,
25.1667

 112.3269, 82.4841,
292.1415

 0.6989, 0.0000,
15.9812

 142.1049,
107.3853, 349.9569

 0.0000, 0.0000,
9.3566

176.7291,

 0.0000, 0.0000,

136.8526, 414.9372

4.8745

216.5648,
171.2705, 487.5011

■ 0.0000, 0.0000,
2.1164

■ 0.0000, 0.0000,
0.6255

■ 23.3416, 13.0165,
95.8899

■ 23.3416, 13.0165,
95.8899

■ 20.4720, 9.7240,
95.4057

■ 27.6028, 18.0205,
96.6312

■ 18.8160, 7.9124,
95.1433

■ 33.4001, 24.9257,
97.6585

■ 18.2473, 7.3217,
95.0592

■ 40.8624, 33.8974,
98.9969

■ 50.1043, 45.0829,
100.6688

■ 61.2305, 58.6159,
102.6945

■ 74.3372, 74.6195,
105.0928

■ 89.5144, 93.2084,
107.8808

■ 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.



13.3550, 13.0165, 125.0742



23.3416, 13.0165, 95.8899



32.6810, 13.0165, 45.6996

Triad

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



23.3416, 13.0165, 95.8899



20.8981, 13.0165, 0.0000



2.3324, 13.0165, 17.0980

Complementary

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



23.3416, 13.0165, 95.8899



74.1065, 91.1678, 19.1598

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.



2.9150, 13.0165, 2.0233



23.3416, 13.0165, 95.8899



11.4381, 13.0165, 0.0000

Square

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



23.3416, 13.0165, 95.8899



30.8839, 13.0165, 0.9829



5.5245, 13.0165, 0.0000



3.2961, 13.0165, 56.8789

Rectangle

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



23.3416, 13.0165, 95.8899



35.7699, 13.0165, 19.9990



5.5245, 13.0165, 0.0000



2.3568, 13.0165, 9.6046

Sweetspot

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



23.3424, 13.0167, 95.8899



62.8629, 60.6059, 102.9926



53.2831, 74.1476, 106.1113



12.7531, 12.1164, 21.9165



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.



23.3424, 13.0167, 95.8899



19.5605, 8.7106, 95.2581



36.8786, 19.9949, 96.5234



17.1020, 17.4288, 22.7127



9.5731, 3.8456, 49.6723



0.9653, 0.3916, 4.8380

Inverse Universe

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



59.6339, 31.9247, 88.5955



57.7140, 28.6170, 86.3153



49.7800, 78.6271, 18.0213



18.7437, 18.2808, 22.5337



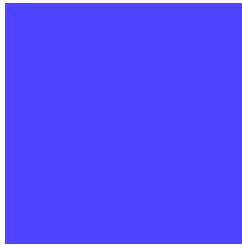
29.7855, 14.4035, 44.3825



2.9136, 1.4078, 4.3925

Previews

White Background



This preview shows how the XYZ color 23.3416, 13.0165, 95.8899 looks on a white background.

Color Contrast Check

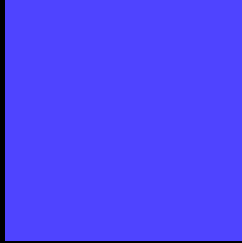
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3416, 13.0165, 95.8899 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 23.3416, 13.0165, 95.8899

Background



This preview shows how black text looks on a background with the XYZ color 23.3416, 13.0165, 95.8899.



This preview shows how white text looks on a background with the XYZ color 23.3416, 13.0165,

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

23.3416, 13.0165, 95.8899

Protanopia

15.0542, 12.8612, 58.1889

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

9.0142, 12.7008, 19.4292

Trichromacy



Original Color

23.3416, 13.0165, 95.8899

Protanomaly

17.0193, 12.1907, 70.5633

Deuteranomaly

14.9424, 11.8853, 58.0065

Tritanomaly

11.6668, 11.2728, 38.6067

Monochromacy



Original Color

23.3416, 13.0165, 95.8899

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.8623, 10.6824, 31.0897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3416, 13.0165, 95.8899 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(79, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 68, 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(79, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 68, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.3416, 13.0165, 95.8899 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(79, 68, 255) }
```


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

```
.border{ border-color:rgb(79, 68, 255) }
```

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

Here you see how a box with a 4 pixel rgb(79, 68, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 68, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 68, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 68,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3416, 13.0165, 95.8899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 68, 255) }
```

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

```
.background{ background-color: rgb(79, 68,  
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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