

Converting Colors

XYZ(23.2264, 13.4572, 95.9811)

Have a look what the booklet for
XYZ(23.2264, 13.4572, 95.9811)
contains.

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Color

**XYZ(23.1802, 13.4016,
95.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	4949FF
RGB	73, 73, 255
RGB Percent	29%, 29%, 100%
CMY	0.7137, 0.7137, 0.0000
CMYK	0.71, 0.71, 0.00, 0.00
HSL	240°, 100%, 64%
HSV	240°, 71%, 100%
XYZ	23.1802, 13.4016, 95.9728
YIQ	93.7480, -58.4220, 56.6020

Conversions

Conversions Part 2

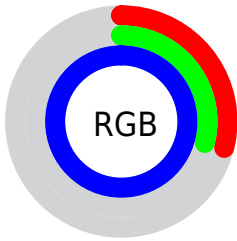
Format	Color
R_{YB}	73, 73, 255
Decimal	4803071
CIE _{Lab}	43.36, 56.52, -89.41
CIE _{LCh}	43, 105.777, 302.297
Yxy	13.4016, 0.1749, 0.1011
Android (android.graphics.Color)	4282993151 (0xFF4949FF)
YUV	93.7480, 79.4972, -18.1960
Hunter-Lab	36.6082, 48.9613, -129.8101

Details

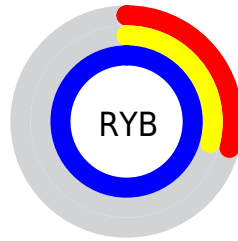
The XYZ color **23.1802, 13.4016, 95.9728** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **78.1976, 93.2585, 20.1823**, and the grayscale version is **10.4096, 10.9517, 11.9264**.

A 20% lighter version of the original color is **36.8100, 27.4057, 97.9575**, and **10.4257, 4.7265, 53.1861** is the 20% darker color. If you saturate the color by 10%, you get **20.2827, 9.9097, 95.4515**, and if you desaturate by 10%, it is **27.5567, 18.6741, 96.7598**.

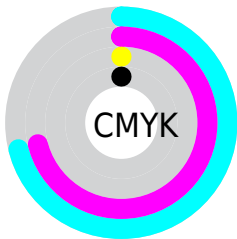
Distribution



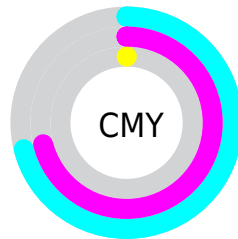
- Red (29%)
- Green (29%)
- Blue (100%)



- Red (29%)
- Yellow (29%)
- Blue (100%)



- Cyan (71%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1802, 13.4016, 95.9728 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 23.1802, 13.4016, 95.9728 by changing the saturation by 10% instead.


 23.1802, 13.4016,
95.9728

 23.1802, 13.4016,
95.9728


261.1673,
213.4757, 568.3383


 14.8480, 7.7057,
72.3435


 48.1535, 32.0234,
157.6150

 8.7984, 3.9072,
52.9508


 65.5254, 45.7181,
196.4650


 4.6660, 1.6218,
37.3760


 86.6413, 62.8478,
241.2257

 2.0854, 0.3722,
25.2007

 111.8664, 83.7969,
292.3157

 0.6812, 0.0000,
16.0063

 141.5662,
108.9499, 350.1533

 0.0000, 0.0000,
9.3742

176.1061,

 0.0000, 0.0000,

138.6911, 415.1573

4.8859

215.8513,
173.4049, 487.7461

■ 0.0000, 0.0000,
2.1229

■ 0.0000, 0.0000,
0.6294

■ 23.1802, 13.4016,
95.9728

■ 23.1802, 13.4016,
95.9728

■ 20.2827, 9.9097,
95.4515

■ 27.5567, 18.6741,
96.7598

■ 18.6681, 7.9645,
95.1611

■ 33.5708, 25.9206,
97.8415

■ 18.0502, 7.2201,
95.0500

■ 41.3635, 35.3102,
99.2432

■ 51.0598, 46.9938,
100.9873

■ 62.7737, 61.1084,
103.0943

■ 76.6101, 77.7807,
105.5831

■ 92.6666, 97.1281,
108.4713

■ 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.



13.3816, 13.4016, 122.5501



23.1802, 13.4016, 95.9728



32.4681, 13.4016, 47.3483

Triad

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



23.1802, 13.4016, 95.9728



21.5836, 13.4016, 0.0000



2.5755, 13.4016, 16.4817

Complementary

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



23.1802, 13.4016, 95.9728



78.1976, 93.2585, 20.1823

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.



3.2459, 13.4016, 2.0464



23.1802, 13.4016, 95.9728



12.1151, 13.4016, 0.0000

Square

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



23.1802, 13.4016, 95.9728



31.3009, 13.4016, 1.3102



6.0243, 13.4016, 0.0000



3.5072, 13.4016, 54.5715

Rectangle

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



23.1802, 13.4016, 95.9728



35.6817, 13.4016, 21.5350



6.0243, 13.4016, 0.0000



2.6205, 13.4016, 9.3292

Sweetspot

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



23.1810, 13.4018, 95.9728



63.2513, 61.6839, 103.1802



56.5575, 80.1564, 107.0986



12.7969, 12.3095, 21.9514



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.



23.1810, 13.4018, 95.9728



19.3895, 8.8337, 95.2909



35.7421, 19.8773, 96.5606



17.0032, 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.



61.6703, 33.2440, 97.7627



59.9092, 29.7226, 97.1735



52.2722, 79.8934, 18.9690



18.7927, 18.3004, 22.7915



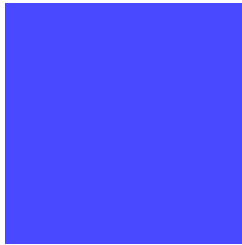
30.9787, 14.8808, 50.6659



3.0163, 1.4489, 4.9333

Previews

White Background



This preview shows how the XYZ color 23.1802, 13.4016, 95.9728 looks on a white background.

Color Contrast Check

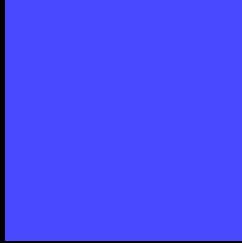
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1802, 13.4016, 95.9728 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 23.1802, 13.4016, 95.9728

Background



This preview shows how black text looks on a background with the XYZ color 23.1802, 13.4016, 95.9728.



This preview shows how white text looks on a background with the XYZ color 23.1802, 13.4016,

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

23.1802, 13.4016, 95.9728

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

9.2953, 13.1663, 19.8207

Trichromacy



Original Color

23.1802, 13.4016, 95.9728

Protanomaly

17.4789, 12.7596, 72.0626

Deuteranomaly

15.3858, 12.4695, 59.3535

Tritanomaly

11.9811, 11.8329, 39.1886

Monochromacy



Original Color

23.1802, 13.4016, 95.9728

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.9153, 10.9339, 31.5667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1802, 13.4016, 95.9728 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(73, 73, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 73, 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(73, 73, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 73, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.1802, 13.4016, 95.9728 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(73, 73, 255) }
```


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

```
.border{ border-color:rgb(73, 73, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 73, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 73, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 73, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 73,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1802, 13.4016, 95.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 73, 255) }
```

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

```
.background{ background-color: rgb(73, 73,  
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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