

Converting Colors

XYZ(23.5019, 13.7892, 96.0306)

Have a look what the booklet for
XYZ(23.5019, 13.7892, 96.0306)
contains.

XYZ(23.4677, 13.7480, 96.0245)	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(23.4677, 13.7480,
96.0245)**

Conversions

Conversions Part 1

Format	Color
Hex	4B4BFF
RGB	75, 75, 255
RGB Percent	29%, 29%, 100%
CMY	0.7058, 0.7059, 0.0000
CMYK	0.71, 0.71, 0.00, 0.00
HSL	240°, 100%, 65%
HSV	240°, 71%, 100%
XYZ	23.4677, 13.7480, 96.0245
YIQ	95.5200, -57.7800, 55.9800

Conversions

Conversions Part 2

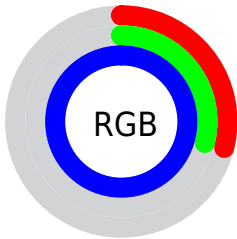
Format	Color
R _Y B	75, 75, 255
Decimal	4934655
CIE Lab	43.87, 55.62, -88.57
CIE LCh	44, 104.587, 302.126
Yxy	13.7480, 0.1761, 0.1032
Android (android.graphics.Color)	4283124735 (0xFF4B4BFF)
YUV	95.5200, 78.6236, -17.9960
Hunter-Lab	37.0783, 48.0897, -127.5930

Details

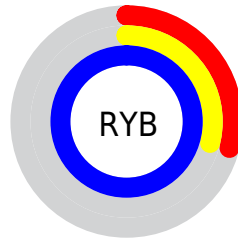
The XYZ color **23.4677, 13.7480, 96.0245** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **78.2650, 93.2854, 20.5372**, and the grayscale version is **10.8298, 11.3938, 12.4079**.

A 20% lighter version of the original color is **37.2377, 27.9982, 98.0493**, and **10.4933, 4.8617, 53.2087** is the 20% darker color. If you saturate the color by 10%, you get **20.4608, 10.1243, 95.4835**, and if you desaturate by 10%, it is **27.9672, 19.1687, 96.8336**.

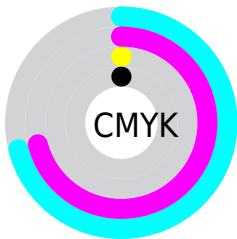
Distribution



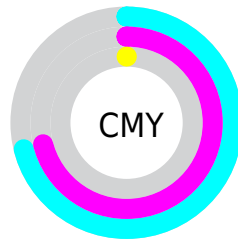
- Red (29%)
- Green (29%)
- Blue (100%)



- 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 23.4677, 13.7480, 96.0245 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 23.4677, 13.7480, 96.0245 by changing the saturation by 10% instead.


 23.4677, 13.7480,
96.0245

 23.4677, 13.7480,
96.0245


262.6089,
215.6574, 568.5075


 15.0618, 7.9456,
72.3864


 48.6212, 32.6412,
157.6870


 8.9494, 4.0602,
52.9856


 66.0995, 46.5008,
196.5484


 4.7650, 1.7073,
37.4036


 87.3327, 63.8150,
241.3213

 2.1434, 0.4284,
25.2219

 112.6861, 84.9680,
292.4243

 0.7126, 0.0000,
16.0219

 142.5250,
110.3444, 350.2759

 0.0000, 0.0000,
9.3852

177.2149,

 0.0000, 0.0000,

140.3285, 415.2946

4.8930

217.1211,
175.3047, 487.8989

■ 0.0000, 0.0000,
2.1270

■ 0.0000, 0.0000,
0.6318

■ 23.4677, 13.7480,
96.0245

■ 23.4677, 13.7480,
96.0245

■ 20.4608, 10.1243,
95.4835

■ 27.9672, 19.1687,
96.8336

■ 18.7536, 8.0676,
95.1765

■ 34.1159, 26.5774,
97.9396

■ 18.0502, 7.2201,
95.0500

■ 42.0535, 36.1417,
99.3673

■ 51.9041, 48.0111,
101.1392

■ 63.7808, 62.3219,
103.2755

■ 77.7879, 79.1998,
105.7950

■ 94.0224, 98.7618,
108.7152

■ 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.



13.6655, 13.7480, 122.0157



23.4677, 13.7480, 96.0245



32.7439, 13.7480, 47.9099

Triad

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



23.4677, 13.7480, 96.0245



21.9912, 13.7480, 0.0000



2.7524, 13.7480, 16.7218

Complementary

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



23.4677, 13.7480, 96.0245



78.2650, 93.2854, 20.5372

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.



3.4534, 13.7480, 2.1822



23.4677, 13.7480, 96.0245



12.4864, 13.7480, 0.0000

Square

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



23.4677, 13.7480, 96.0245



31.6683, 13.7480, 1.4683



6.3083, 13.7480, 0.0000



3.7019, 13.7480, 54.5454

Rectangle

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



23.4677, 13.7480, 96.0245



35.9686, 13.7480, 22.1075



6.3083, 13.7480, 0.0000



2.8019, 13.7480, 9.5613

Sweetspot

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



23.4685, 13.7482, 96.0245



63.2513, 61.6839, 103.1802



56.7115, 80.2358, 107.1058



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.



23.4685, 13.7482, 96.0245



19.5603, 9.0394, 95.3216



36.0828, 20.2511, 96.6148



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.



61.8038, 33.5110, 97.8074



59.9886, 29.8812, 97.2001



52.5468, 80.0272, 19.3336



18.7927, 18.3004, 22.7915



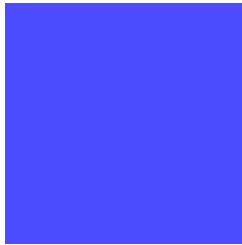
30.9787, 14.8808, 50.6659



3.0163, 1.4489, 4.9333

Previews

White Background



This preview shows how the XYZ color 23.4677, 13.7480, 96.0245 looks on a white background.

Color Contrast Check

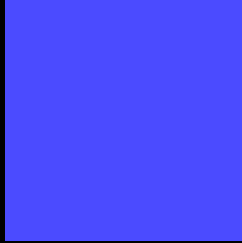
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4677, 13.7480, 96.0245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

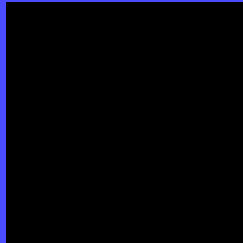
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4677, 13.7480, 96.0245

Background



This preview shows how black text looks on a background with the XYZ color 23.4677, 13.7480, 96.0245.



This preview shows how white text looks on a background with the XYZ color 23.4677, 13.7480,

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

23.4677, 13.7480, 96.0245

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.1899, 13.5224, 44.0344



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

23.4677, 13.7480, 96.0245

Protanomaly

17.8356, 13.0363, 73.5277

Deuteranomaly

15.6848, 12.8737, 60.0507

Tritanomaly

12.2649, 12.2496, 39.7482

Monochromacy



Original Color

23.4677, 13.7480, 96.0245

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.3470, 11.3872, 32.0663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4677, 13.7480, 96.0245 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(75, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 75, 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(75, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 75, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.4677, 13.7480, 96.0245 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(75, 75, 255) }
```


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

```
.border{ border-color:rgb(75, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 75,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4677, 13.7480, 96.0245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 75, 255) }
```

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

```
.background{ background-color: rgb(75, 75,  
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