

Converting Colors

XYZ(23.7354, 16.7515, 73.9342)

Have a look what the booklet for
XYZ(23.7354, 16.7515, 73.9342)
contains.

XYZ(23.7635, 16.7396, 73.9301)	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(23.7635, 16.7396,
73.9301)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5FE2
RGB	106, 95, 226
RGB Percent	42%, 37%, 89%
CMY	0.5843, 0.6274, 0.1137
CMYK	0.53, 0.58, 0.00, 0.11
HSL	245°, 69%, 63%
HSV	245°, 58%, 89%
XYZ	23.7635, 16.7396, 73.9301
YIQ	113.2230, -35.4950, 43.0730

Conversions

Conversions Part 2

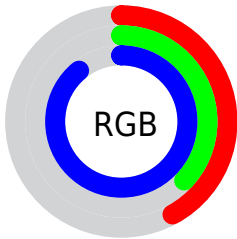
Format	Color
R _Y B	106, 95, 226
Decimal	6971362
CIE Lab	47.93, 39.43, -65.56
CIE LCh	48, 76.503, 301.021
Yxy	16.7396, 0.2077, 0.1463
Android (android.graphics.Color)	4285161442 (0xFF6A5FE2)
YUV	113.2230, 55.5991, -6.3346
Hunter-Lab	40.9141, 32.0759, -78.4949

Details

The XYZ color **23.7635, 16.7396, 73.9301** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **57.2854, 69.6658, 21.2543**, and the grayscale version is **15.6106, 16.4236, 17.8853**.

A 20% lighter version of the original color is **43.8459, 35.7771, 99.2025**, and **9.1494, 5.4475, 38.5995** is the 20% darker color. If you saturate the color by 10%, you get **19.8448, 12.1233, 73.2460**, and if you desaturate by 10%, it is **28.8679, 22.8437, 74.8397**.

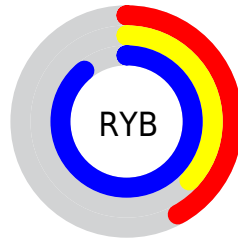
Distribution



Red (42%)

Green (37%)

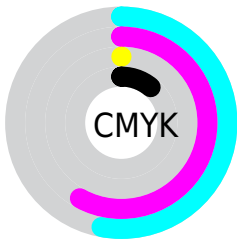
Blue (89%)



Red (42%)

Yellow (37%)

Blue (89%)

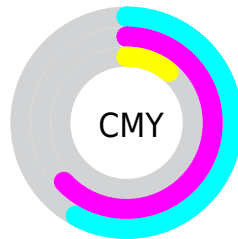


Cyan (53%)

Magenta (58%)

Yellow (0%)

Black (11%)



Cyan (58%)

Magenta (63%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7635, 16.7396, 73.9301 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 23.7635, 16.7396, 73.9301 by changing the saturation by 10% instead.

■ 23.7635, 16.7396,
73.9301

■ 23.7635, 16.7396,
73.9301

264.0853,
233.6673, 493.3890

■ 15.2821, 10.0490,
54.2404

■ 49.1015, 37.8775,
126.5298

■ 9.1052, 5.4315,
38.3994

■ 66.6887, 53.0936,
160.2770

■ 4.8675, 2.5026,
25.9886

■ 88.0420, 71.9204,
199.5469

■ 2.2037, 0.8779,
16.5894

■ 113.5265, 94.7421,
244.7584

■ 0.7447, 0.0000,
9.7833

143.5078,
121.9433, 296.3297

■ 0.0000, 0.0000,
5.1518

178.3511,

■ 0.0000, 0.0000,

153.9083, 354.6796

2.2763

218.4219,
191.0215, 420.2265

■ 0.0000, 0.0000,
0.7179

■ 0.0000, 0.0000,
0.0000

■ 23.7635, 16.7396,
73.9301

■ 23.7635, 16.7396,
73.9301

■ 19.8448, 12.1233,
73.2460

■ 28.8679, 22.8437,
74.8397

■ 17.0134, 8.8655,
72.7664

■ 35.2410, 30.5469,
75.9906

■ 15.1585, 6.8174,
72.4688

■ 42.9613, 39.9518,
77.3990

■ 14.1354, 5.7754,
72.3216

■ 52.1001, 51.1518,
79.0792

■ 13.9958, 5.6293,
72.3008

■ 62.7237, 64.2337,
81.0443

■ 74.8941, 79.2785,
83.3068

■ 88.6700, 96.3625,
85.8783

■ 90.7275, 98.2710,
86.1382

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.1479, 16.7396, 88.5955



23.7635, 16.7396, 73.9301



30.5463, 16.7396, 43.4891

Triad

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



23.7635, 16.7396, 73.9301



23.2329, 16.7396, 1.1049



5.9986, 16.7396, 18.9115

Complementary

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



23.7635, 16.7396, 73.9301



57.2854, 69.6658, 21.2543

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.



6.9055, 16.7396, 5.3296



23.7635, 16.7396, 73.9301



15.6754, 16.7396, 0.4298

Square

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



23.7635, 16.7396, 73.9301



30.1828, 16.7396, 4.8298



10.0117, 16.7396, 1.2126



7.0419, 16.7396, 45.6153

Rectangle

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



23.7635, 16.7396, 73.9301



32.9171, 16.7396, 24.8142



10.0117, 16.7396, 1.2126



6.0826, 16.7396, 12.9221

Sweetspot

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



23.7643, 16.7401, 73.9305



69.6161, 68.6234, 104.1842



42.7688, 56.5676, 80.6164



14.3402, 13.9997, 22.1963



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.



23.7643, 16.7401, 73.9305



25.0323, 14.7074, 96.1272



34.7055, 22.3805, 74.4426



13.0582, 13.2980, 17.2662



8.0250, 3.2323, 41.2493



0.5938, 0.2434, 2.8609

Inverse Universe

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



47.7218, 29.2595, 67.4200



59.5880, 32.7897, 85.6309



41.7634, 61.6639, 20.5279



14.2428, 13.9147, 17.0485



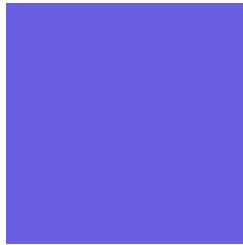
24.3412, 11.8035, 34.7922



1.7021, 0.8241, 2.4899

Previews

White Background



This preview shows how the XYZ color 23.7635, 16.7396, 73.9301 looks on a white background.

Color Contrast Check

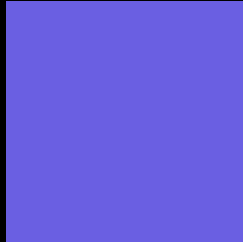
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7635, 16.7396, 73.9301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

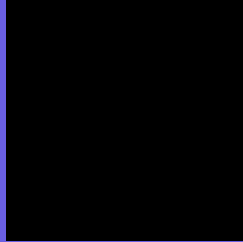
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7635, 16.7396, 73.9301

Background



This preview shows how black text looks on a background with the XYZ color 23.7635, 16.7396, 73.9301.



This preview shows how white text looks on a background with the XYZ color 23.7635, 16.7396,

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

23.7635, 16.7396, 73.9301

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

16.9061, 16.7551, 58.2201



Tritanopia

13.6907, 16.7423, 23.6291

Trichromacy



Original Color

23.7635, 16.7396, 73.9301

Protanomaly

20.0699, 16.0451, 76.9021

Deuteranomaly

17.9571, 15.8596, 63.7428

Tritanomaly

16.4235, 16.2834, 37.8747

Monochromacy



Original Color

23.7635, 16.7396, 73.9301

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.4172, 15.9562, 32.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7635, 16.7396, 73.9301 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(106, 95, 226)` looks like.

```
.text, #text, p{  
    color:rgb(106, 95, 226)  
}
```

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(106, 95, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 95, 226) }
```

Border

The CSS property to change the border of an element to XYZ 23.7635, 16.7396, 73.9301 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(106, 95, 226) }
```


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

```
.border{ border-color:rgb(106, 95, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 95, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 95, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 95, 226);  
box-shadow:4px 4px 4px 4px rgb(106, 95,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7635, 16.7396, 73.9301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 95, 226) }
```

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

```
.background{ background-color: rgb(106, 95,  
226) }
```

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