

Converting Colors

XYZ(23.5768, 16.7784, 73.9484)

Have a look what the booklet for
XYZ(23.5768, 16.7784, 73.9484)
contains.

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Color

**XYZ(23.6193, 16.7998,
73.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	6860E2
RGB	104, 96, 226
RGB Percent	41%, 38%, 89%
CMY	0.5921, 0.6235, 0.1137
CMYK	0.54, 0.58, 0.00, 0.11
HSL	244°, 69%, 63%
HSV	244°, 58%, 89%
XYZ	23.6193, 16.7998, 73.9493
YIQ	113.2120, -36.9620, 42.1260

Conversions

Conversions Part 2

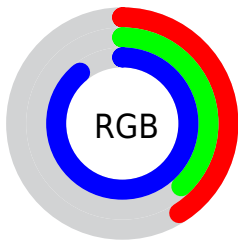
Format	Color
RYB	104, 96, 226
Decimal	6840546
CIELab	48.01, 38.46, -65.44
CIELCh	48, 75.908, 300.441
Yxy	16.7998, 0.2065, 0.1469
Android (android.graphics.Color)	4285030626 (0xFF6860E2)
YUV	113.2120, 55.6045, -8.0789
Hunter-Lab	40.9876, 31.1334, -78.2791

Details

The XYZ color **23.6193, 16.7998, 73.9493** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **58.2197, 70.1422, 21.5368**, and the grayscale version is **15.6077, 16.4205, 17.8819**.

A 20% lighter version of the original color is **43.5880, 35.8740, 99.2348**, and **9.0471, 5.4562, 38.6065** is the 20% darker color. If you saturate the color by 10%, you get **19.6860, 12.1387, 73.2573**, and if you desaturate by 10%, it is **28.7657, 22.9660, 74.8686**.

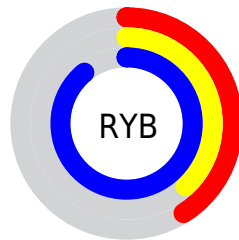
Distribution



Red (41%)

Green (38%)

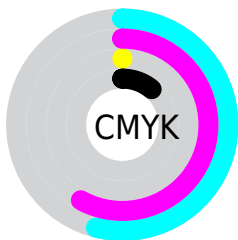
Blue (89%)



Red (41%)

Yellow (38%)

Blue (89%)

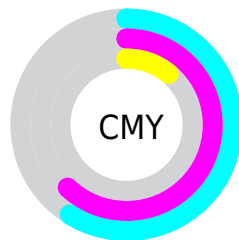


Cyan (54%)

Magenta (58%)

Yellow (0%)

Black (11%)



Cyan (59%)

Magenta (62%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6193, 16.7998, 73.9493 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 23.6193, 16.7998, 73.9493 by changing the saturation by 10% instead.

■ 23.6193, 16.7998,
73.9493

■ 23.6193, 16.7998,
73.9493

263.3664,
234.0160, 493.4571

■ 15.1747, 10.0919,
54.2560

■ 48.8674, 37.9812,
126.5573

■ 9.0292, 5.4599,
38.4118

■ 66.4017, 53.2235,
160.3091

■ 4.8175, 2.5195,
25.9981

■ 87.6965, 72.0794,
199.5842

■ 2.1742, 0.8864,
16.5965

■ 113.1172, 94.9332,
244.8010

■ 0.7291, 0.0000,
9.7883

143.0292,
122.1694, 296.3782

■ 0.0000, 0.0000,
5.1551

177.7978,

■ 0.0000, 0.0000,

154.1723, 354.7342

2.2782

217.7885,
191.3264, 420.2877

■ 0.0000, 0.0000,
0.7190

■ 0.0000, 0.0000,
0.0000

■ 23.6193, 16.7998,
73.9493

■ 23.6193, 16.7998,
73.9493

■ 19.6860, 12.1387,
73.2573

■ 28.7657, 22.9660,
74.8686

■ 16.8636, 8.8522,
72.7717

■ 35.2114, 30.7498,
76.0313

■ 15.0375, 6.7899,
72.4699

■ 43.0374, 40.2551,
77.4536

■ 14.0603, 5.7528,
72.3212

■ 52.3175, 51.5762,
79.1497

■ 13.9074, 5.5837,
72.2966

■ 63.1202, 64.8010,
81.1329

■ 75.5096, 80.0114,
83.4158

■ 89.5464, 97.2845,
86.0101

■ 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.



16.0692, 16.7998, 87.9517



23.6193, 16.7998, 73.9493



30.3948, 16.7998, 43.9469

Triad

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



23.6193, 16.7998, 73.9493



23.3922, 16.7998, 1.1855



6.0817, 16.7998, 18.5839

Complementary

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



23.6193, 16.7998, 73.9493



58.2197, 70.1422, 21.5368

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.



7.0281, 16.7998, 5.2749



23.6193, 16.7998, 73.9493



15.8666, 16.7998, 0.4799

Square

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



23.6193, 16.7998, 73.9493



30.2394, 16.7998, 5.0585



10.1778, 16.7998, 1.2330



7.0869, 16.7998, 44.8547

Rectangle

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



23.6193, 16.7998, 73.9493



32.8098, 16.7998, 25.3041



10.1778, 16.7998, 1.2330



6.1782, 16.7998, 12.7123

Sweetspot

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



23.6201, 16.8003, 73.9497



69.3310, 68.4764, 104.1709



44.0138, 58.9024, 81.0014



14.2740, 13.9655, 22.1932



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.



23.6201, 16.8003, 73.9497



25.0549, 14.9871, 96.1800



33.9528, 22.1270, 74.4333



13.0298, 13.2834, 17.2649



7.9674, 3.2026, 41.2466



0.5802, 0.2364, 2.8603

Inverse Universe

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



48.2013, 29.5964, 69.4983



60.3937, 33.4008, 88.9830



42.7298, 62.1568, 20.8118



14.2567, 13.9203, 17.1218



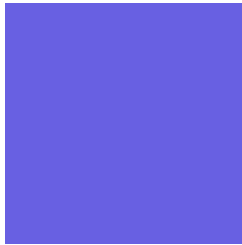
24.6952, 11.9451, 36.6561



1.7229, 0.8324, 2.5998

Previews

White Background



This preview shows how the XYZ color 23.6193, 16.7998, 73.9493 looks on a white background.

Color Contrast Check

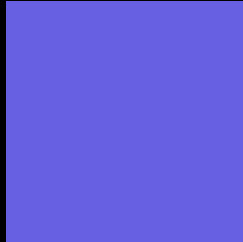
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6193, 16.7998, 73.9493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

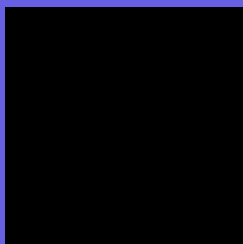
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6193, 16.7998, 73.9493

Background



This preview shows how black text looks on a background with the XYZ color 23.6193, 16.7998, 73.9493.



This preview shows how white text looks on a background with the XYZ color 23.6193, 16.7998,

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

23.6193, 16.7998, 73.9493

Protanopia

20.1766, 16.8205, 79.2740

Deuteranopia

16.9061, 16.7551, 58.2201



Tritanopia

13.5326, 16.6530, 23.9738

Trichromacy



Original Color

23.6193, 16.7998, 73.9493

Protanomaly

20.0326, 16.0259, 76.9004

Deuteranomaly

18.0258, 16.0525, 63.7764

Tritanomaly

16.2444, 16.1805, 38.3434

Monochromacy



Original Color

23.6193, 16.7998, 73.9493

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.5208, 16.1635, 32.7683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6193, 16.7998, 73.9493 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(104, 96, 226)` looks like.

```
.text, #text, p{  
    color:rgb(104, 96, 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(104, 96, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 96, 226) }
```

Border

The CSS property to change the border of an element to XYZ 23.6193, 16.7998, 73.9493 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(104, 96, 226) }
```


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

```
.border{ border-color:rgb(104, 96, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 96, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 96, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 96, 226);  
box-shadow:4px 4px 4px 4px rgb(104, 96,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6193, 16.7998, 73.9493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 96, 226) }
```

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

```
.background{ background-color: rgb(104, 96,  
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](#).

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