

Converting Colors

XYZ(23.9024, 10.2841, 93.1950)

Have a look what the booklet for
XYZ(23.9024, 10.2841, 93.1950)
contains.

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Color

**XYZ(23.8774, 10.2795,
92.8211)**

Conversions

Conversions Part 1

Format	Color
Hex	6D00FC
RGB	109, 0, 252
RGB Percent	43%, 0%, 99%
CMY	0.5725, 1.0000, 0.0118
CMYK	0.57, 1.00, 0.00, 0.01
HSL	266°, 100%, 49%
HSV	266°, 100%, 99%
XYZ	23.8774, 10.2795, 92.8211
YIQ	61.3190, -15.9280, 101.4800

Conversions

Conversions Part 2

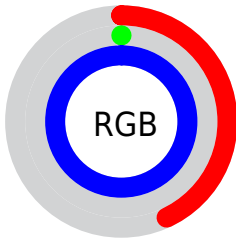
Format	Color
RYB	109, 0, 252
Decimal	7143676
CIELab	38.34, 81.27, -95.95
CIELCh	38, 125.741, 310.264
Yxy	10.2795, 0.1880, 0.0810
Android (android.graphics.Color)	4285333756 (0xFF6D00FC)
YUV	61.3190, 94.0057, 41.8162
Hunter-Lab	32.0617, 76.8271, -149.2062

Details

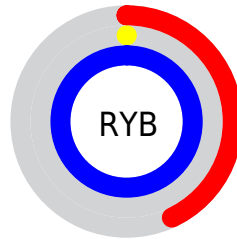
The XYZ color **23.8774, 10.2795, 92.8211** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **46.1370, 75.4600, 12.1336**, and the grayscale version is **4.3540, 4.5807, 4.9884**.

A 20% lighter version of the original color is **38.5979, 22.0713, 96.8336**, and **9.8892, 3.9732, 51.2846** is the 20% darker color. If you saturate the color by 10%, you get **23.8783, 10.2800, 92.8215**, and if you desaturate by 10%, it is **26.1350, 11.9658, 93.0279**.

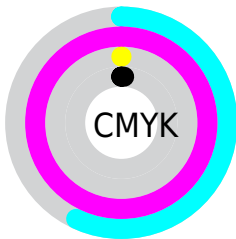
Distribution



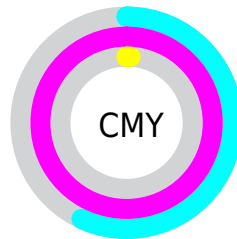
- Red (43%)
- Green (0%)
- Blue (99%)



- Red (43%)
- Yellow (0%)
- Blue (99%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (57%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8774, 10.2795, 92.8211 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 23.8774, 10.2795, 92.8211 by changing the saturation by 10% instead.

■ 23.8774, 10.2795,
92.8211

■ 23.8774, 10.2795,
92.8211

264.6521,
192.6554, 557.9708

■ 15.3669, 5.5847,
69.7360

■ 49.2862, 26.3199,
153.2205

■ 9.1653, 2.5942,
50.8358

■ 66.9152, 38.4343,
191.3718

■ 4.9071, 0.9238,
35.7022

■ 88.3145, 53.7906,
235.3823

■ 2.2271, 0.0000,
23.9164

■ 113.8494, 72.7733,
285.6704

■ 0.7570, 0.0000,
15.0600

■ 143.8853, 95.7667,
342.6548

■ 0.0000, 0.0000,
8.7144

■ 178.7874,

■ 0.0000, 0.0000,

123.1553, 406.7540

4.4611

218.9212,
155.3234, 478.3865

■ 0.0000, 0.0000,
1.8816

■ 0.0000, 0.0000,
0.4810

■ 23.8774, 10.2795,
92.8211

■ 23.8774, 10.2795,
92.8211

■ 23.8783, 10.2800,
92.8215

■ 26.1350, 11.9658,
93.0279

■ 29.1447, 14.7136,
93.3997

■ 33.0589, 18.8085,
93.9838

■ 37.9739, 24.4260,
94.8090

■ 43.9716, 31.7139,
95.8996

■ 51.1245, 40.8019,
97.2768

■ 59.4982, 51.8064,
98.9595

■ 69.1530, 64.8339,
100.9652

■ 80.1449, 79.9828,
103.3099

Harmonies

Analogous

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



12.8511, 10.2795, 139.8796



23.8774, 10.2795, 92.8211



33.3266, 10.2795, 34.3489

Triad

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



23.8774, 10.2795, 92.8211



16.1054, 10.2795, 0.0000



1.0257, 10.2795, 21.2965

Complementary

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



23.8774, 10.2795, 92.8211



46.1370, 75.4600, 12.1336

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.



1.1828, 10.2795, 1.8298



23.8774, 10.2795, 92.8211



7.2261, 10.2795, 0.0000

Square

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



23.8774, 10.2795, 92.8211



27.3682, 10.2795, 0.0000



2.7208, 10.2795, 0.0000



2.0102, 10.2795, 72.8898

Rectangle

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



23.8774, 10.2795, 92.8211



35.4648, 10.2795, 10.9859



2.7208, 10.2795, 0.0000



0.9707, 10.2795, 11.4019

Sweetspot

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



23.8783, 10.2800, 92.8215



61.1038, 53.1965, 101.6552



28.0045, 27.8958, 96.0042



12.2686, 10.3128, 21.5939



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.



23.8783, 10.2800, 92.8215



24.5184, 10.5546, 95.3527



50.5259, 24.0173, 94.0686



16.9952, 17.0102, 21.7728



12.6000, 5.4382, 48.3591



1.2859, 0.5650, 4.4845

Inverse Universe

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



45.1024, 22.6785, 27.9840



46.3273, 23.2949, 28.7195



35.1198, 69.7805, 11.6180



17.6573, 17.3903, 20.0509



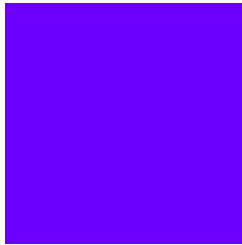
23.5697, 11.8436, 14.9742



2.2361, 1.1182, 1.6669

Previews

White Background



This preview shows how the XYZ color 23.8774, 10.2795, 92.8211 looks on a white background.

Color Contrast Check

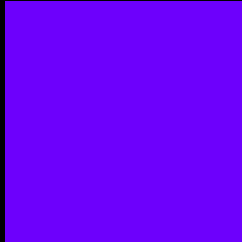
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8774, 10.2795, 92.8211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

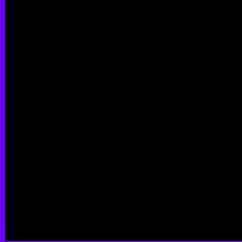
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8774, 10.2795, 92.8211

Background



This preview shows how black text looks on a background with the XYZ color 23.8774, 10.2795, 92.8211.



This preview shows how white text looks on a background with the XYZ color 23.8774, 10.2795,

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

23.8774, 10.2795, 92.8211

Protanopia

12.2467, 10.4822, 47.2767

Deuteranopia

10.1743, 10.4740, 33.8332



Tritanopia

8.4905, 10.5602, 15.2265

Trichromacy



Original Color

23.8774, 10.2795, 92.8211



Protanomaly

13.7979, 7.8829, 61.1159



Deuteranomaly

12.0054, 7.4886, 50.6819



Tritanomaly

10.8047, 7.4043, 33.6606

Monochromacy



Original Color

23.8774, 10.2795, 92.8211



Achromatopsia

4.4355, 4.6665, 5.0818



Achromatomaly

7.8967, 4.6824, 21.6067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8774, 10.2795, 92.8211 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(109, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 252)  
}
```

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(109, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 252) }
```

Border

The CSS property to change the border of an element to XYZ 23.8774, 10.2795, 92.8211 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(109, 0, 252) }
```


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

```
.border{ border-color:rgb(109, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8774, 10.2795, 92.8211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 252) }
```

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

```
.background{ background-color: rgb(109, 0,  
252) }
```

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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