

Converting Colors

XYZ(23.8137, 10.2384, 93.1909)

Have a look what the booklet for
XYZ(23.8137, 10.2384, 93.1909)
contains.

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Color

**XYZ(23.7550, 10.2164,
92.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	6C00FC
RGB	108, 0, 252
RGB Percent	42%, 0%, 99%
CMY	0.5764, 1.0000, 0.0118
CMYK	0.57, 1.00, 0.00, 0.01
HSL	266°, 100%, 49%
HSV	266°, 100%, 99%
XYZ	23.7550, 10.2164, 92.8154
YIQ	61.0200, -16.5240, 101.2680

Conversions

Conversions Part 2

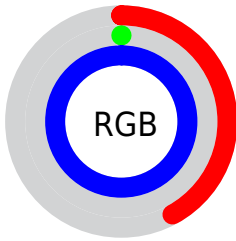
Format	Color
R_{YB}	108, 0, 252
Decimal	7078140
CIE _{Lab}	38.23, 81.21, -96.14
CIE _{LCh}	38, 125.846, 310.188
Yxy	10.2164, 0.1874, 0.0806
Android (android.graphics.Color)	4285268220 (0xFF6C00FC)
YUV	61.0200, 94.1531, 41.2015
Hunter-Lab	31.9631, 76.7259, -149.7939

Details

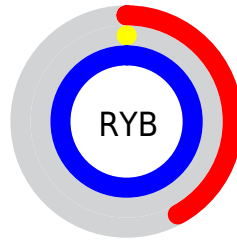
The XYZ color **23.7550, 10.2164, 92.8154** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **46.3110, 75.5498, 12.1417**, and the grayscale version is **4.3120, 4.5365, 4.9403**.

A 20% lighter version of the original color is **38.3742, 21.9560, 96.8231**, and **9.8252, 3.9402, 51.2816** is the 20% darker color. If you saturate the color by 10%, you get **23.7559, 10.2169, 92.8158**, and if you desaturate by 10%, it is **26.0064, 11.8994, 93.0219**.

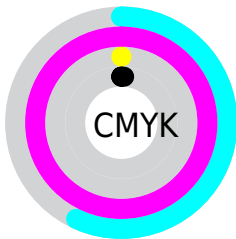
Distribution



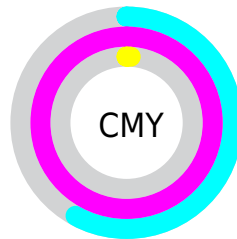
- Red (42%)
- Green (0%)
- Blue (99%)



- Red (42%)
- Yellow (0%)
- Blue (99%)



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





- Cyan (58%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7550, 10.2164, 92.8154 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 23.7550, 10.2164, 92.8154 by changing the saturation by 10% instead.


 23.7550, 10.2164,
92.8154


 23.7550, 10.2164,
92.8154


264.0430,
192.2096, 557.9520


 15.2757, 5.5427,
69.7313


 49.0877, 26.2017,
153.2125

 9.1007, 2.5690,
50.8320

 66.6718, 38.2821,
191.3626


 4.8646, 0.9111,
35.6992


 88.0216, 53.6002,
235.3717

 2.2020, 0.0000,
23.9141

 113.5024, 72.5404,
285.6584

 0.7438, 0.0000,
15.0583

 143.4796, 95.4870,
342.6412

 0.0000, 0.0000,
8.7132

 178.3186,

 0.0000, 0.0000,

122.8245, 406.7388

4.4604

218.3846,
154.9372, 478.3695

■ 0.0000, 0.0000,
1.8811

■ 0.0000, 0.0000,
0.4807

■ 23.7550, 10.2164,
92.8154

■ 23.7550, 10.2164,
92.8154

■ 23.7559, 10.2169,
92.8158

■ 26.0064, 11.8994,
93.0219

■ 29.0132, 14.6458,
93.3936

■ 32.9283, 18.7412,
93.9777

■ 37.8481, 24.3612,
94.8032

■ 43.8549, 31.6538,
95.8942

■ 51.0213, 40.7488,
97.2720

■ 59.4133, 51.7627,
98.9556

■ 69.0912, 64.8021,
100.9623

■ 80.1114, 79.9655,
103.3084

Harmonies

Analogous

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



12.7573, 10.2164, 139.7658



23.7550, 10.2164, 92.8154



33.2026, 10.2164, 34.3495

Triad

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



23.7550, 10.2164, 92.8154



16.0553, 10.2164, 0.0000



1.0087, 10.2164, 21.1110

Complementary

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



23.7550, 10.2164, 92.8154



46.3110, 75.5498, 12.1417

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.



1.1668, 10.2164, 1.7889



23.7550, 10.2164, 92.8154



7.1919, 10.2164, 0.0000

Square

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



23.7550, 10.2164, 92.8154



27.2956, 10.2164, 0.0000



2.6985, 10.2164, 0.0000



1.9812, 10.2164, 72.5755

Rectangle

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



23.7550, 10.2164, 92.8154



35.3542, 10.2164, 10.9770



2.6985, 10.2164, 0.0000



0.9551, 10.2164, 11.2722

Sweetspot

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



23.7559, 10.2169, 92.8158



61.0166, 53.1516, 101.6511



28.0045, 27.8958, 96.0042



12.2481, 10.3023, 21.5929



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.



23.7559, 10.2169, 92.8158



24.3927, 10.4898, 95.3468



50.5259, 24.0173, 94.0686



16.9885, 17.0067, 21.7725



12.5355, 5.4050, 48.3561



1.2796, 0.5617, 4.4842

Inverse Universe

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



45.1786, 22.7089, 28.3850



46.4056, 23.3262, 29.1315



35.1198, 69.7805, 11.6180



17.6603, 17.3915, 20.0667



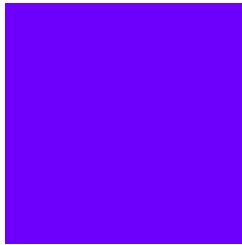
23.6093, 11.8594, 15.1829



2.2397, 1.1196, 1.6858

Previews

White Background



This preview shows how the XYZ color 23.7550, 10.2164, 92.8154 looks on a white background.

Color Contrast Check

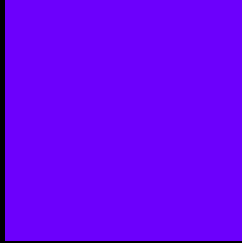
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7550, 10.2164, 92.8154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

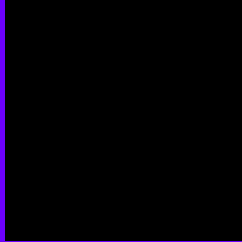
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7550, 10.2164, 92.8154

Background



This preview shows how black text looks on a background with the XYZ color 23.7550, 10.2164, 92.8154.



This preview shows how white text looks on a background with the XYZ color 23.7550, 10.2164,

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

23.7550, 10.2164, 92.8154

Protanopia

12.2467, 10.4822, 47.2767

Deuteranopia

10.0885, 10.4397, 33.3816



Tritanopia

8.3344, 10.4798, 15.2192

Trichromacy



Original Color

23.7550, 10.2164, 92.8154



Protanomaly

13.7595, 7.8631, 61.1141



Deuteranomaly

11.9670, 7.4688, 50.6801



Tritanomaly

10.6531, 7.3262, 33.6535

Monochromacy



Original Color

23.7550, 10.2164, 92.8154



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 23.7550, 10.2164, 92.8154 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(108, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 252) }
```

Border

The CSS property to change the border of an element to XYZ 23.7550, 10.2164, 92.8154 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(108, 0, 252) }
```


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

```
.border{ border-color:rgb(108, 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(108, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7550, 10.2164, 92.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 252) }
```

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

```
.background{ background-color: rgb(108, 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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