

Converting Colors

XYZ(22.7914, 11.2865, 94.2339)

Have a look what the booklet for
XYZ(22.7914, 11.2865, 94.2339)
contains.

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Color

**XYZ(22.7171, 11.2320,
93.8992)**

Conversions

Conversions Part 1

Format	Color
Hex	5730FD
RGB	87, 48, 253
RGB Percent	34%, 19%, 99%
CMY	0.6588, 0.8118, 0.0078
CMYK	0.66, 0.81, 0.00, 0.01
HSL	251°, 98%, 59%
HSV	251°, 81%, 99%
XYZ	22.7171, 11.2320, 93.8992
YIQ	83.0310, -42.5610, 72.0230

Conversions

Conversions Part 2

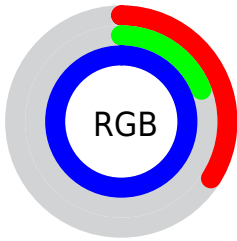
Format	Color
R _Y B	87, 48, 253
Decimal	5714173
CIE Lab	39.97, 69.05, -93.87
CIE LCh	40, 116.534, 306.338
Yxy	11.2320, 0.1777, 0.0879
Android (android.graphics.Color)	4283904253 (0xFF5730FD)
YUV	83.0310, 83.7947, 3.4808
Hunter-Lab	33.5142, 62.3438, -142.6574

Details

The XYZ color **22.7171, 11.2320, 93.8992** 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 **63.3863, 84.7583, 15.8150**, and the grayscale version is **8.0703, 8.4906, 9.2462**.

A 20% lighter version of the original color is **36.5117, 23.7907, 97.2754**, and **9.8503, 3.9401, 51.8711** is the 20% darker color. If you saturate the color by 10%, you get **20.3124, 8.8692, 93.5702**, and if you desaturate by 10%, it is **26.2549, 15.0525, 94.4505**.

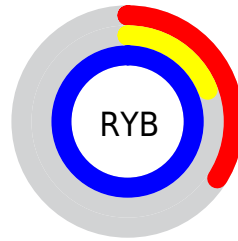
Distribution



Red (34%)

Green (19%)

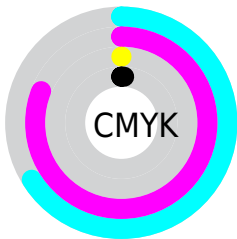
Blue (99%)



Red (34%)

Yellow (19%)

Blue (99%)

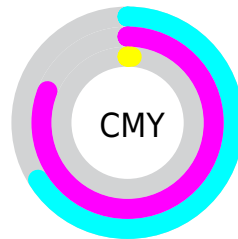


Cyan (66%)

Magenta (81%)

Yellow (0%)

Black (1%)



Cyan (66%)

Magenta (81%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7171, 11.2320, 93.8992 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 22.7171, 11.2320, 93.8992 by changing the saturation by 10% instead.

■ 22.7171, 11.2320,
93.8992

■ 22.7171, 11.2320,
93.8992

258.8312,
199.2524, 561.5289

■ 14.5043, 6.2231,
70.6273

■ 47.3985, 28.0884,
154.7254

■ 8.5563, 2.9812,
51.5581

■ 64.5978, 40.7047,
193.1168

■ 4.5077, 1.1219,
36.2732

■ 85.5232, 56.6255,
237.3850

■ 1.9932, 0.0000,
24.3539

■ 110.5403, 76.2354,
287.9488

■ 0.6301, 0.0000,
15.3817

■ 140.0142, 99.9186,
345.2265

■ 0.0000, 0.0000,
8.9381

■ 174.3105,

■ 0.0000, 0.0000,

128.0595, 409.6367

4.6046

213.7943,
161.0427, 481.5980

■ 0.0000, 0.0000,
1.9625

■ 0.0000, 0.0000,
0.5321

■ 22.7171, 11.2320,
93.8992

■ 22.7171, 11.2320,
93.8992

■ 20.3124, 8.8692,
93.5702

■ 26.2549, 15.0525,
94.4505

■ 18.9556, 7.7239,
93.4207

■ 31.0525, 20.5269,
95.2543

■ 37.2215, 27.8205,
96.3370

■ 44.8599, 37.0784,
97.7214

■ 54.0564, 48.4307,
99.4279

■ 64.8927, 61.9961,
101.4751

■ 77.4447, 77.8847,
103.8804

■ 91.7832, 96.1987,
106.6596

■ 94.7297, 99.8719,
107.2133

Harmonies

Analogous

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



12.4762, 11.2320, 130.2672



22.7171, 11.2320, 93.8992



32.0399, 11.2320, 40.0231

Triad

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



22.7171, 11.2320, 93.8992



18.1663, 11.2320, 0.0000



1.5002, 11.2320, 17.8019

Complementary

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



22.7171, 11.2320, 93.8992



63.3863, 84.7583, 15.8150

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.



1.8504, 11.2320, 1.6736



22.7171, 11.2320, 93.8992



9.0573, 11.2320, 0.0000

Square

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



22.7171, 11.2320, 93.8992



28.6162, 11.2320, 0.0000



3.8821, 11.2320, 0.0000



2.4337, 11.2320, 61.7517

Rectangle

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



22.7171, 11.2320, 93.8992



34.7536, 11.2320, 15.2836



3.8821, 11.2320, 0.0000



1.4833, 11.2320, 9.6124

Sweetspot

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



22.7179, 11.2322, 93.8996



62.5976, 58.7574, 102.6498



43.3550, 56.5333, 101.5559



12.5539, 11.5189, 21.8117



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.



22.7179, 11.2322, 93.8996



19.6935, 8.1905, 95.1507



39.5458, 19.9073, 94.6871



17.3256, 17.5440, 22.7231



10.1730, 4.1549, 49.7004



1.0718, 0.4464, 4.8430

Inverse Universe

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



53.7008, 27.8506, 66.1543



52.6992, 25.9765, 61.8637



42.4578, 73.9692, 14.8356



18.6357, 18.2376, 21.9647



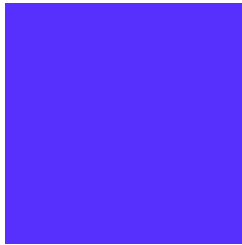
27.4529, 13.4704, 32.0989



2.7094, 1.3261, 3.3170

Previews

White Background



This preview shows how the XYZ color 22.7171, 11.2320, 93.8992 looks on a white background.

Color Contrast Check

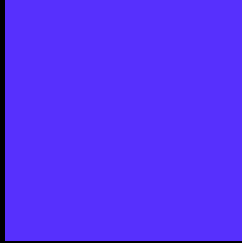
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7171, 11.2320, 93.8992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

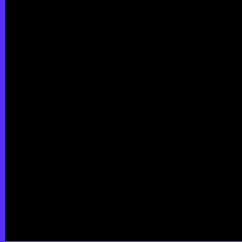
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7171, 11.2320, 93.8992

Background



This preview shows how black text looks on a background with the XYZ color 22.7171, 11.2320, 93.8992.



This preview shows how white text looks on a background with the XYZ color 22.7171, 11.2320,

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

22.7171, 11.2320, 93.8992

Protanopia

12.8415, 10.9865, 49.5879

Deuteranopia

10.6159, 10.9390, 35.2701



Tritanopia

7.8196, 11.0483, 16.7593

Trichromacy



Original Color

22.7171, 11.2320, 93.8992

Protanomaly

14.9954, 10.0927, 63.4451

Deuteranomaly

13.1293, 9.7941, 52.2374

Tritanomaly

10.3768, 9.2921, 35.8970

Monochromacy



Original Color

22.7171, 11.2320, 93.8992

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.9572, 8.3095, 27.8144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7171, 11.2320, 93.8992 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(87, 48, 253)` looks like.

```
.text, #text, p{  
    color:rgb(87, 48, 253)  
}
```

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(87, 48, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 48, 253) }
```

Border

The CSS property to change the border of an element to XYZ 22.7171, 11.2320, 93.8992 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(87, 48, 253) }
```


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

```
.border{ border-color:rgb(87, 48, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 48, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 48, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 48, 253);  
box-shadow:4px 4px 4px 4px rgb(87, 48,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7171, 11.2320, 93.8992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 48, 253) }
```

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

```
.background{ background-color: rgb(87, 48,  
253) }
```

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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