

Converting Colors

XYZ(19.8336, 11.2200, 93.5641)

Have a look what the booklet for
XYZ(19.8336, 11.2200, 93.5641)
contains.

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Color

**XYZ(19.7894, 11.2407,
93.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	0C44FC
RGB	12, 68, 252
RGB Percent	5%, 27%, 99%
CMY	0.9527, 0.7333, 0.0118
CMYK	0.95, 0.73, 0.00, 0.01
HSL	226°, 98%, 52%
HSV	226°, 95%, 99%
XYZ	19.7894, 11.2407, 93.2221
YIQ	72.2320, -92.4400, 45.3520

Conversions

Conversions Part 2

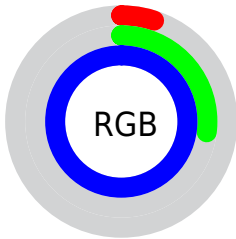
Format	Color
R _Y B	12, 57, 252
Decimal	804092
CIE Lab	39.98, 55.04, -93.39
CIE LCh	40, 108.402, 300.514
Yxy	11.2407, 0.1593, 0.0905
Android (android.graphics.Color)	4278994172 (0xFF0C44FC)
YUV	72.2320, 88.6256, -52.8235
Hunter-Lab	33.5272, 46.6871, -141.3866

Details

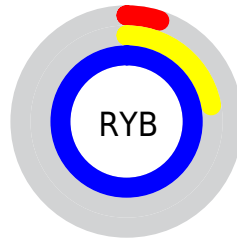
The XYZ color **19.7894, 11.2407, 93.2221** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **59.9666, 60.2319, 8.8152**, and the grayscale version is **6.0667, 6.3826, 6.9507**.

A 20% lighter version of the original color is **31.8825, 23.7941, 97.5201**, and **10.0440, 4.5078, 51.3797** is the 20% darker color. If you saturate the color by 10%, you get **19.1217, 10.1302, 93.0433**, and if you desaturate by 10%, it is **21.7776, 14.2953, 93.7073**.

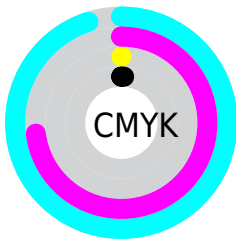
Distribution



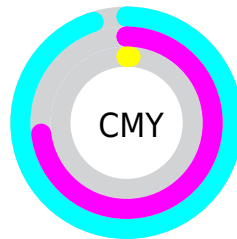
- Red (5%)
- Green (27%)
- Blue (99%)



- Red (5%)
- Yellow (22%)
- Blue (99%)



- Cyan (95%)
- Magenta (73%)
- Yellow (0%)
- Black (1%)



- Cyan (95%)
- Magenta (73%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7894, 11.2407, 93.2221 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 19.7894, 11.2407, 93.2221 by changing the saturation by 10% instead.

■ 19.7894, 11.2407,
93.2221

■ 19.7894, 11.2407,
93.2221

243.6281,
199.3115, 559.2957

■ 12.3494, 6.2290,
70.0674

■ 42.5705, 28.1044,
153.7804

■ 7.0560, 2.9848,
51.1044

■ 58.6422, 40.7252,
192.0212

■ 3.5438, 1.1238,
35.9144

■ 78.3220, 56.6511,
236.1277

■ 1.4474, 0.0000,
24.0789

■ 101.9751, 76.2665,
286.5185

■ 0.2896, 0.0000,
15.1794

■ 129.9669, 99.9559,
343.6122

■ 0.0000, 0.0000,
8.7974

162.6628,

■ 0.0000, 0.0000,

128.1036, 407.8272

4.5143

200.4281,
161.0940, 479.5822

■ 0.0000, 0.0000,
1.9115

■ 0.0000, 0.0000,
0.5000

■ 19.7894, 11.2407,
93.2221

■ 19.7894, 11.2407,
93.2221

■ 19.1217, 10.1302,
93.0433

■ 21.7776, 14.2953,
93.7073

■ 24.8076, 18.5096,
94.3610

■ 29.0209, 24.0015,
95.1990

■ 34.5343, 30.8722,
96.2346

■ 41.4499, 39.2119,
97.4798

■ 49.8590, 49.1027,
98.9458

■ 59.8450, 60.6205,
100.6426

■ 71.4852, 73.8359,
102.5799

■ 84.8513, 88.8154,
104.7668

Harmonies

Analogous

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



10.8138, 11.2407, 117.1178



19.7894, 11.2407, 93.2221



28.7579, 11.2407, 45.8232

Triad

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



19.7894, 11.2407, 93.2221



19.4536, 11.2407, 0.0000



1.7852, 11.2407, 12.6132

Complementary

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



19.7894, 11.2407, 93.2221



59.9666, 60.2319, 8.8152

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.



2.4126, 11.2407, 1.0947



19.7894, 11.2407, 93.2221



10.5552, 11.2407, 0.0000

Square

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



19.7894, 11.2407, 93.2221



28.5084, 11.2407, 0.9714



4.9138, 11.2407, 0.0000



2.4609, 11.2407, 47.3870

Rectangle

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



19.7894, 11.2407, 93.2221



32.1078, 11.2407, 20.3703



4.9138, 11.2407, 0.0000



1.8454, 11.2407, 6.6236

Sweetspot

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



19.7902, 11.2408, 93.2225



57.3780, 57.5703, 102.6958



44.9286, 73.6859, 64.0883



11.3585, 11.2563, 21.8240



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.



19.7902, 11.2408, 93.2225



19.6370, 10.3939, 95.5790



20.6872, 8.8312, 92.7101



16.6114, 17.2996, 21.8489



10.0531, 5.4617, 48.4979



1.0084, 0.6604, 4.5175

Inverse Universe

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



41.3206, 21.3773, 7.4168



42.0410, 21.5804, 6.1482



55.6205, 80.3413, 12.9258



17.4104, 17.2915, 18.7508



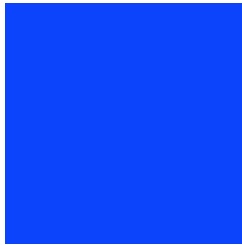
21.3663, 10.9623, 3.3717



2.0179, 1.0309, 0.5177

Previews

White Background



This preview shows how the XYZ color 19.7894, 11.2407, 93.2221 looks on a white background.

Color Contrast Check

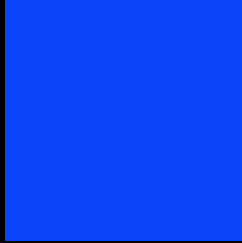
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7894, 11.2407, 93.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

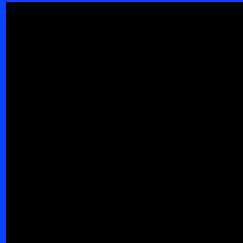
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7894, 11.2407, 93.2221

Background



This preview shows how black text looks on a background with the XYZ color 19.7894, 11.2407, 93.2221.



This preview shows how white text looks on a background with the XYZ color 19.7894, 11.2407,

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

19.7894, 11.2407, 93.2221

Protanopia

12.8415, 10.9865, 49.5879

Deuteranopia

10.6159, 10.9390, 35.2701



Tritanopia

7.7106, 11.0048, 16.1857

Trichromacy



Original Color

19.7894, 11.2407, 93.2221

Protanomaly

14.9510, 10.8139, 63.5866

Deuteranomaly

13.1155, 10.5764, 52.3891

Tritanomaly

10.2242, 10.0812, 35.1252

Monochromacy



Original Color

19.7894, 11.2407, 93.2221

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.0840, 6.9907, 24.5902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7894, 11.2407, 93.2221 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(12, 68, 252)` looks like.

```
.text, #text, p{  
    color:rgb(12, 68, 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(12, 68, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 68, 252) }
```

Border

The CSS property to change the border of an element to XYZ 19.7894, 11.2407, 93.2221 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(12, 68, 252) }
```


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

```
.border{ border-color:rgb(12, 68, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 68, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 68, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 68, 252);  
box-shadow:4px 4px 4px 4px rgb(12, 68,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7894, 11.2407, 93.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 68, 252) }
```

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

```
.background{ background-color: rgb(12, 68,  
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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