

Converting Colors

XYZ(22.1202, 11.0760, 95.5793)

Have a look what the booklet for
XYZ(22.1202, 11.0760, 95.5793)
contains.

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Color

**XYZ(22.1355, 11.0835,
95.5804)**

Conversions

Conversions Part 1

Format	Color
Hex	4B33FF
RGB	75, 51, 255
RGB Percent	29%, 20%, 100%
CMY	0.7058, 0.8000, 0.0000
CMYK	0.71, 0.80, 0.00, 0.00
HSL	247°, 100%, 60%
HSV	247°, 80%, 100%
XYZ	22.1355, 11.0835, 95.5804
YIQ	81.4320, -51.1800, 68.5320

Conversions

Conversions Part 2

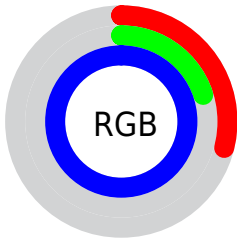
Format	Color
R _Y B	75, 51, 255
Decimal	4928511
CIE Lab	39.72, 67.45, -95.43
CIE LCh	40, 116.859, 305.252
Yxy	11.0835, 0.1719, 0.0861
Android (android.graphics.Color)	4283118591 (0xFF4B33FF)
YUV	81.4320, 85.5690, -5.6409
Hunter-Lab	33.2919, 60.4223, -146.9162

Details

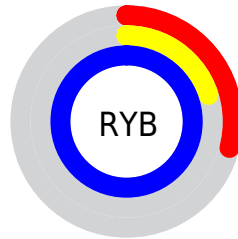
The XYZ color **22.1355, 11.0835, 95.5804** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **69.3070, 88.7451, 16.6081**, and the grayscale version is **7.7503, 8.1539, 8.8796**.

A 20% lighter version of the original color is **35.1130, 23.2164, 97.2383**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **19.8511, 8.6804, 95.2370**, and if you desaturate by 10%, it is **25.6530, 15.0269, 96.1562**.

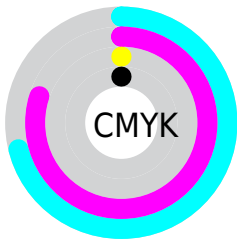
Distribution



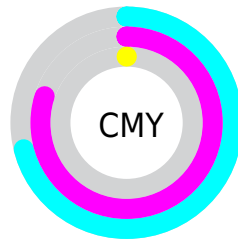
- Red (29%)
- Green (20%)
- Blue (100%)



- Red (29%)
- Yellow (20%)
- Blue (100%)



- Cyan (71%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1355, 11.0835, 95.5804 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 22.1355, 11.0835, 95.5804 by changing the saturation by 10% instead.


 22.1355, 11.0835,
95.5804

 22.1355, 11.0835,
95.5804


255.8722,
198.2395, 567.0531


 14.0737, 6.1230,
72.0186


 46.4470, 27.8145,
157.0687

 8.2540, 2.9200,
52.6869

 63.4274, 40.3538,
195.8322


 4.3110, 1.0901,
37.1669


 84.1114, 56.1881,
240.5001

 1.8796, 0.0000,
25.0399

 108.8643, 75.7019,
291.4908

 0.5649, 0.0000,
15.8875

 138.0515, 99.2795,
349.2229

 0.0000, 0.0000,
9.2911

 172.0382,

 0.0000, 0.0000,

127.3054, 414.1150

4.8321

211.1900,
160.1640, 486.5856

■ 0.0000, 0.0000,
2.0921

■ 0.0000, 0.0000,
0.6111

■ 22.1355, 11.0835,
95.5804

■ 22.1355, 11.0835,
95.5804

■ 19.8511, 8.6804,
95.2370

■ 25.6530, 15.0269,
96.1562

■ 18.5860, 7.4963,
95.0751

■ 30.5478, 20.7155,
96.9962

■ 36.9459, 28.3227,
98.1273

■ 44.9584, 38.0008,
99.5731

■ 54.6858, 49.8866,
101.3546

■ 66.2202, 64.1053,
103.4911

■ 79.6473, 80.7725,
106.0005

95.0471, 99.9964,
108.8995

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



12.0058, 11.0835, 130.4870



22.1355, 11.0835, 95.5804



31.5786, 11.0835, 41.4841

Triad

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



22.1355, 11.0835, 95.5804



18.3717, 11.0835, 0.0000



1.4430, 11.0835, 16.5651

Complementary

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



22.1355, 11.0835, 95.5804



69.3070, 88.7451, 16.6081

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.



1.8316, 11.0835, 1.4267



22.1355, 11.0835, 95.5804



9.1886, 11.0835, 0.0000

Square

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



22.1355, 11.0835, 95.5804



28.7416, 11.0835, 0.0724



3.9184, 11.0835, 0.0000



2.3060, 11.0835, 59.5076

Rectangle

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



22.1355, 11.0835, 95.5804



34.4900, 11.0835, 16.0921



3.9184, 11.0835, 0.0000



1.4399, 11.0835, 8.7778

Sweetspot

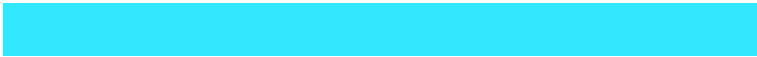
The Sweet Spot groups the original color and five complimentary colors.



22.1362, 11.0836, 95.5804



61.3860, 58.1328, 102.5931



48.0468, 65.1872, 104.6578



12.2707, 11.3730, 21.7984



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.



22.1362, 11.0836, 95.5804



18.9982, 7.8731, 95.1261



37.3192, 18.9107, 96.2909



17.2016, 17.4801, 22.7173



9.7739, 3.9491, 49.6817



1.0123, 0.4158, 4.8402

Inverse Universe

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



56.8451, 29.3958, 78.2667



55.1030, 26.9823, 74.3852



45.4407, 76.4416, 15.4912



18.6951, 18.2614, 22.2778



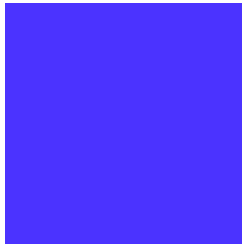
28.6853, 13.9634, 38.5890



2.8179, 1.3696, 3.8887

Previews

White Background



This preview shows how the XYZ color 22.1355, 11.0835, 95.5804 looks on a white background.

Color Contrast Check

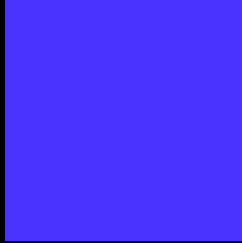
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1355, 11.0835, 95.5804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

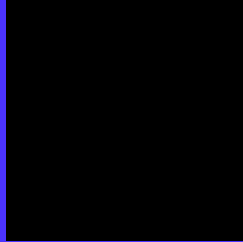
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1355, 11.0835, 95.5804

Background



This preview shows how black text looks on a background with the XYZ color 22.1355, 11.0835, 95.5804.



This preview shows how white text looks on a background with the XYZ color 22.1355, 11.0835,

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

22.1355, 11.0835, 95.5804

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.4374, 10.7225, 34.7772



Tritanopia

7.6106, 10.8046, 16.1524

Trichromacy



Original Color

22.1355, 11.0835, 95.5804

Protanomaly

14.8517, 10.0186, 63.4384

Deuteranomaly

13.0983, 9.7651, 52.8243

Tritanomaly

10.1439, 9.1823, 35.4201

Monochromacy



Original Color

22.1355, 11.0835, 95.5804

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.4486, 8.0562, 27.3899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1355, 11.0835, 95.5804 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(75, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 51, 255)  
}
```

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(75, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.1355, 11.0835, 95.5804 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(75, 51, 255) }
```


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

```
.border{ border-color:rgb(75, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1355, 11.0835, 95.5804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 51, 255) }
```

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

```
.background{ background-color: rgb(75, 51,  
255) }
```

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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