

Converting Colors

XYZ(21.9881, 10.5688, 95.4888)

Have a look what the booklet for
XYZ(21.9881, 10.5688, 95.4888)
contains.

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Color

**XYZ(22.0112, 10.5991,
95.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	4D2CFF
RGB	77, 44, 255
RGB Percent	30%, 17%, 100%
CMY	0.6980, 0.8275, 0.0000
CMYK	0.70, 0.83, 0.00, 0.00
HSL	249°, 100%, 59%
HSV	249°, 83%, 100%
XYZ	22.0112, 10.5991, 95.4935
YIQ	77.9210, -48.0630, 72.6170

Conversions

Conversions Part 2

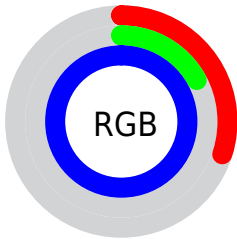
Format	Color
R _Y B	77, 44, 255
Decimal	5057791
CIE Lab	38.90, 70.42, -96.79
CIE LCh	39, 119.699, 306.039
Yxy	10.5991, 0.1718, 0.0827
Android (android.graphics.Color)	4283247871 (0xFF4D2CFF)
YUV	77.9210, 87.2999, -0.8077
Hunter-Lab	32.5563, 63.7099, -151.1191

Details

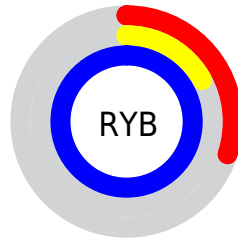
The XYZ color **22.0112, 10.5991, 95.4935** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **66.3337, 87.2288, 15.7230**, and the grayscale version is **7.0745, 7.4429, 8.1053**.

A 20% lighter version of the original color is **34.8121, 22.3449, 97.0859**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **19.8775, 8.4953, 95.1998**, and if you desaturate by 10%, it is **25.3021, 14.1631, 96.0079**.

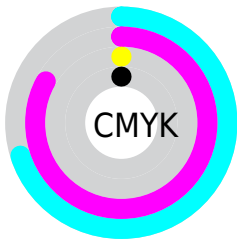
Distribution



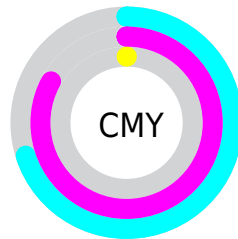
- Red (30%)
- Green (17%)
- Blue (100%)



- Red (30%)
- Yellow (17%)
- Blue (100%)



- Cyan (70%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0112, 10.5991, 95.4935 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 22.0112, 10.5991, 95.4935 by changing the saturation by 10% instead.


 22.0112, 10.5991,
95.4935


 22.0112, 10.5991,
95.4935


255.2360,
194.8961, 566.7683


 13.9818, 5.7980,
71.9466


 46.2432, 26.9164,
156.9477

 8.1896, 2.7226,
52.6285


 63.1765, 39.2014,
195.6920


 4.2693, 0.9887,
37.1206


 83.8085, 54.7497,
240.3393

 1.8556, 0.0000,
25.0044

 108.5045, 73.9458,
291.3080

 0.5508, 0.0000,
15.8613

 137.6299, 97.1741,
349.0168

 0.0000, 0.0000,
9.2727

 171.5501,

 0.0000, 0.0000,

124.8190, 413.8840

4.8203

210.6303,
157.2649, 486.3284

■ 0.0000, 0.0000,
2.0853

■ 0.0000, 0.0000,
0.6070

■ 22.0112, 10.5991,
95.4935

■ 22.0112, 10.5991,
95.4935

■ 19.8775, 8.4953,
95.1998

■ 25.3021, 14.1631,
96.0079

■ 18.9212, 7.6691,
95.0908

■ 29.8917, 19.3987,
96.7766

■ 35.9028, 26.4825,
97.8271

■ 43.4427, 35.5680,
99.1834

■ 52.6083, 46.7928,
100.8669

■ 63.4883, 60.2820,
102.8971

■ 76.1649, 76.1512,
105.2921

■ 90.7150, 94.5079,
108.0684

■ 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.



11.7696, 10.5991, 132.7975



22.0112, 10.5991, 95.4935



31.4982, 10.5991, 40.0187

Triad

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



22.0112, 10.5991, 95.4935



17.6459, 10.5991, 0.0000



1.2363, 10.5991, 16.7867

Complementary

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



22.0112, 10.5991, 95.4935



66.3337, 87.2288, 15.7230

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.



1.5664, 10.5991, 1.3280



22.0112, 10.5991, 95.4935



8.5499, 10.5991, 0.0000

Square

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



22.0112, 10.5991, 95.4935



28.1829, 10.5991, 0.0000



3.4909, 10.5991, 0.0000



2.0790, 10.5991, 61.2201

Rectangle

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



22.0112, 10.5991, 95.4935



34.3175, 10.5991, 14.8373



3.4909, 10.5991, 0.0000



1.2244, 10.5991, 8.7724

Sweetspot

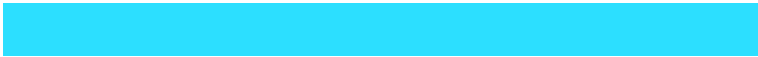
The Sweet Spot groups the original color and five complimentary colors.



22.0119, 10.5992, 95.4934



60.8833, 57.0395, 102.4086



45.5695, 60.7175, 103.9256



12.2004, 11.1773, 21.7644



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.



22.0119, 10.5992, 95.4934



19.0346, 7.7687, 95.1040



38.0413, 18.8626, 96.2436



17.2676, 17.5142, 22.7204



9.9648, 4.0475, 49.6906



1.0432, 0.4317, 4.8416

Inverse Universe

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



55.3231, 28.3340, 71.6489



53.5976, 26.2473, 66.8678



43.6649, 75.5426, 14.6621



18.6633, 18.2486, 22.1103



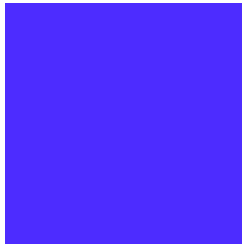
28.0105, 13.6935, 35.0354



2.7587, 1.3459, 3.5768

Previews

White Background



This preview shows how the XYZ color 22.0112, 10.5991, 95.4935 looks on a white background.

Color Contrast Check

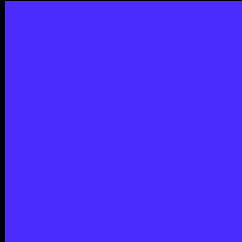
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0112, 10.5991, 95.4935 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 22.0112, 10.5991, 95.4935

Background



This preview shows how black text looks on a background with the XYZ color 22.0112, 10.5991, 95.4935.



This preview shows how white text looks on a background with the XYZ color 22.0112, 10.5991,

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

22.0112, 10.5991, 95.4935

Protanopia

12.1415, 10.4401, 46.7226

Deuteranopia

10.0002, 10.2630, 33.3522



Tritanopia

7.3075, 10.3689, 15.5262

Trichromacy



Original Color

22.0112, 10.5991, 95.4935

Protanomaly

14.4291, 9.5347, 62.0527

Deuteranomaly

12.6206, 9.1293, 51.5490

Tritanomaly

9.7806, 8.5574, 34.8545

Monochromacy



Original Color

22.0112, 10.5991, 95.4935

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.9726, 7.4691, 26.5073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0112, 10.5991, 95.4935 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(77, 44, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 44, 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(77, 44, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 44, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.0112, 10.5991, 95.4935 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(77, 44, 255) }
```


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

```
.border{ border-color:rgb(77, 44, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 44, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 44, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 44, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 44,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0112, 10.5991, 95.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 44, 255) }
```

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

```
.background{ background-color: rgb(77, 44,  
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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