

Converting Colors

XYZ(22.9350, 11.6656, 95.6506)

Have a look what the booklet for
XYZ(22.9350, 11.6656, 95.6506)
contains.

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Color

**XYZ(22.9364, 11.6973,
95.6567)**

Conversions

Conversions Part 1

Format	Color
Hex	5336FF
RGB	83, 54, 255
RGB Percent	33%, 21%, 100%
CMY	0.6745, 0.7882, 0.0000
CMYK	0.67, 0.79, 0.00, 0.00
HSL	249°, 100%, 61%
HSV	249°, 79%, 100%
XYZ	22.9364, 11.6973, 95.6567
YIQ	85.5850, -47.2370, 68.6590

Conversions

Conversions Part 2

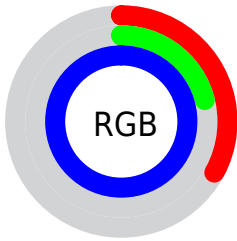
Format	Color
R _Y B	83, 54, 255
Decimal	5453567
CIE Lab	40.73, 66.76, -93.74
CIE LCh	41, 115.082, 305.459
Yxy	11.6973, 0.1760, 0.0898
Android (android.graphics.Color)	4283643647 (0xFF5336FF)
YUV	85.5850, 83.5216, -2.2670
Hunter-Lab	34.2013, 59.8550, -141.8856

Details

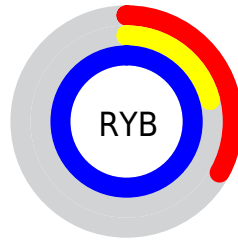
The XYZ color **22.9364, 11.6973, 95.6567** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **67.7855, 87.9529, 16.8935**, and the grayscale version is **8.5950, 9.0426, 9.8474**.

A 20% lighter version of the original color is **36.3409, 24.3004, 97.3828**, and **10.0780, 4.0312, 53.0703** is the 20% darker color. If you saturate the color by 10%, you get **20.4134, 9.0724, 95.2830**, and if you desaturate by 10%, it is **26.6876, 15.8768, 96.2657**.

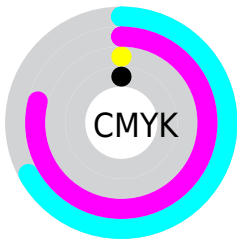
Distribution



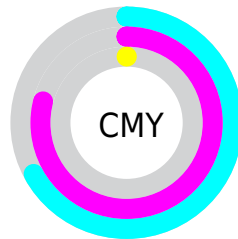
- Red (33%)
- Green (21%)
- Blue (100%)



- Red (33%)
- Yellow (21%)
- Blue (100%)



- Cyan (67%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9364, 11.6973, 95.6567 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 22.9364, 11.6973, 95.6567 by changing the saturation by 10% instead.

■ 22.9364, 11.6973,
95.6567

■ 22.9364, 11.6973,
95.6567

259.9396,
202.3909, 567.3032

■ 14.6670, 6.5379,
72.0818

■ 47.7563, 28.9426,
157.1749

■ 8.6708, 3.1748,
52.7382

■ 65.0375, 41.7973,
195.9553

■ 4.5825, 1.2237,
37.2075

■ 86.0533, 57.9859,
240.6412

■ 2.0366, 0.0809,
25.0712

■ 111.1692, 77.8927,
291.6512

■ 0.6544, 0.0000,
15.9106

■ 140.7504,
101.9023, 349.4039

■ 0.0000, 0.0000,
9.3072

■ 175.1623,

■ 0.0000, 0.0000,

130.3989, 414.3178

4.8426

214.7702,
163.7670, 486.8113

■ 0.0000, 0.0000,
2.0981

■ 0.0000, 0.0000,
0.6146

■ 22.9364, 11.6973,
95.6567

■ 22.9364, 11.6973,
95.6567

■ 20.4134, 9.0724,
95.2830

■ 26.6876, 15.8768,
96.2657

■ 18.9334, 7.7237,
95.1007

■ 31.8013, 21.8075,
97.1409

■ 18.8061, 7.6098,
95.0854

■ 38.3963, 29.6572,
98.3085

■ 46.5775, 39.5738,
99.7913

■ 56.4401, 51.6903,
101.6103

■ 68.0717, 66.1288,
103.7841

■ 81.5539, 83.0022,
106.3304

■ 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.



12.6790, 11.6973, 130.3645



22.9364, 11.6973, 95.6567



32.3823, 11.6973, 42.0198

Triad

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



22.9364, 11.6973, 95.6567



18.9952, 11.6973, 0.0000



1.6694, 11.6973, 17.5093

Complementary

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



22.9364, 11.6973, 95.6567



67.7855, 87.9529, 16.8935

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.



2.0795, 11.6973, 1.7026



22.9364, 11.6973, 95.6567



9.6906, 11.6973, 0.0000

Square

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



22.9364, 11.6973, 95.6567



29.4313, 11.6973, 0.2423



4.2717, 11.6973, 0.0000



2.6071, 11.6973, 60.6654

Rectangle

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



22.9364, 11.6973, 95.6567



35.2549, 11.6973, 16.6378



4.2717, 11.6973, 0.0000



1.6632, 11.6973, 9.4982

Sweetspot

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



22.9372, 11.6974, 95.6567



61.8263, 58.3598, 102.6137



47.3694, 63.6008, 104.3873



12.3734, 11.4259, 21.8032



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.



22.9372, 11.6974, 95.6567



19.3964, 8.1230, 95.1533



38.4952, 19.7179, 96.3848



17.2469, 17.5035, 22.7195



9.8997, 4.0140, 49.6876



1.0335, 0.4267, 4.8412

Inverse Universe

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



56.2846, 29.3882, 74.6477



54.3034, 26.7105, 70.0264



45.2824, 76.3521, 15.8404



18.6733, 18.2526, 22.1626



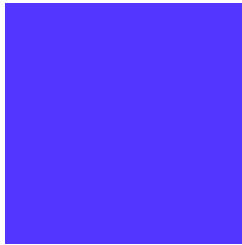
28.2175, 13.7763, 36.1256



2.7769, 1.3531, 3.6727

Previews

White Background



This preview shows how the XYZ color 22.9364, 11.6973, 95.6567 looks on a white background.

Color Contrast Check

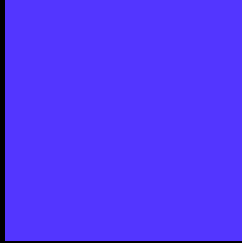
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9364, 11.6973, 95.6567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

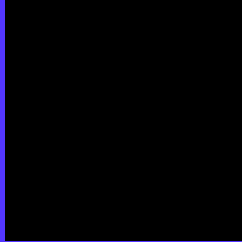
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9364, 11.6973, 95.6567

Background



This preview shows how black text looks on a background with the XYZ color 22.9364, 11.6973, 95.6567.



This preview shows how white text looks on a background with the XYZ color 22.9364, 11.6973,

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

22.9364, 11.6973, 95.6567

Protanopia

13.4528, 11.5045, 51.9636

Deuteranopia

11.1592, 11.4520, 37.2196



Tritanopia

8.1347, 11.5003, 17.4138

Trichromacy



Original Color

22.9364, 11.6973, 95.6567

Protanomaly

15.6545, 10.6827, 66.2026

Deuteranomaly

13.7458, 10.3878, 54.7067

Tritanomaly

10.7351, 9.8090, 36.9248

Monochromacy



Original Color

22.9364, 11.6973, 95.6567

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.4616, 8.9354, 28.7244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9364, 11.6973, 95.6567 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(83, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 54, 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(83, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 54, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.9364, 11.6973, 95.6567 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(83, 54, 255) }
```


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

```
.border{ border-color:rgb(83, 54, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 54, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 54,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9364, 11.6973, 95.6567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 54, 255) }
```

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

```
.background{ background-color: rgb(83, 54,  
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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