

Converting Colors

XYZ(22.4720, 9.4996, 95.2569)

Have a look what the booklet for
XYZ(22.4720, 9.4996, 95.2569)
contains.

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Color

**XYZ(22.4636, 9.4953,
95.2566)**

Conversions

Conversions Part 1

Format	Color
Hex	5C00FF
RGB	92, 0, 255
RGB Percent	36%, 0%, 100%
CMY	0.6392, 1.0000, 0.0000
CMYK	0.64, 1.00, 0.00, 0.00
HSL	262°, 100%, 50%
HSV	262°, 100%, 100%
XYZ	22.4636, 9.4953, 95.2566
YIQ	56.5780, -27.0230, 98.8090

Conversions

Conversions Part 2

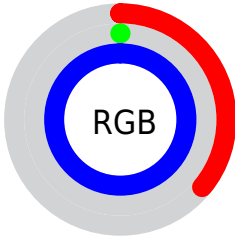
Format	Color
RYB	92, 0, 255
Decimal	6029567
CIELab	36.92, 81.03, -100.04
CIElCh	37, 128.738, 309.006
Yxy	9.4953, 0.1766, 0.0746
Android (android.graphics.Color)	4284219647 (0xFF5C00FF)
YUV	56.5780, 97.8220, 31.0651
Hunter-Lab	30.8144, 76.2005, -161.7129

Details

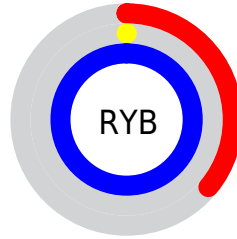
The XYZ color **22.4636, 9.4953, 95.2566** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **50.8625, 79.3056, 12.6268**, and the grayscale version is **3.7143, 3.9077, 4.2555**.

A 20% lighter version of the original color is **35.6747, 20.3502, 96.6555**, and **9.9638, 3.9855, 52.4687** is the 20% darker color. If you saturate the color by 10%, you get **22.4645, 9.4958, 95.2566**, and if you desaturate by 10%, it is **24.6303, 11.1443, 95.4607**.

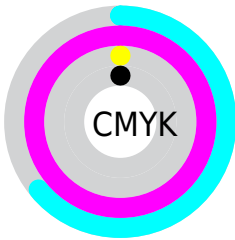
Distribution



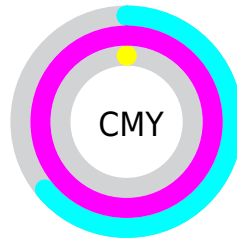
- Red (36%)
- Green (0%)
- Blue (100%)



- Red (36%)
- Yellow (0%)
- Blue (100%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4636, 9.4953, 95.2566 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 22.4636, 9.4953, 95.2566 by changing the saturation by 10% instead.

■ 22.4636, 9.4953,
95.2566

■ 22.4636, 9.4953,
95.2566

257.5449,
187.0310, 565.9914

■ 14.3164, 5.0656,
71.7505

■ 46.9842, 24.8418,
156.6177

■ 8.4243, 2.2858,
52.4693

■ 64.0884, 36.5274,
195.3098

■ 4.4217, 0.7662,
36.9945

■ 84.9089, 51.4004,
239.9009

■ 1.9433, 0.0000,
24.9074

■ 109.8112, 69.8453,
290.8096

■ 0.6018, 0.0000,
15.7897

■ 139.1606, 92.2464,
348.4545

■ 0.0000, 0.0000,
9.2227

■ 173.3225,

■ 0.0000, 0.0000,

118.9881, 413.2541

4.7880

212.6621,
150.4549, 485.6269

0.0000, 0.0000,
2.0668

0.0000, 0.0000,
0.5959

22.4636, 9.4953,
95.2566

22.4636, 9.4953,
95.2566

22.4645, 9.4958,
95.2566

24.6303, 11.1443,
95.4607

27.6340, 13.9181,
95.8377

31.6376, 18.1125,
96.4363

36.7461, 23.9115,
97.2864

■ 43.0494, 31.4701,
98.4131

■ 50.6274, 40.9243,
99.8386

■ 59.5522, 52.3966,
101.5826

■ 69.8903, 65.9988,
103.6632

■ 81.7036, 81.8344,
106.0971

Harmonies

Analogous

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



11.6347, 9.4953, 141.7729



22.4636, 9.4953, 95.2566



32.1285, 9.4953, 35.2777

Triad

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



22.4636, 9.4953, 95.2566



15.6809, 9.4953, 0.0000



0.7810, 9.4953, 18.8142

Complementary

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



22.4636, 9.4953, 95.2566



50.8625, 79.3056, 12.6268

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.



0.9556, 9.4953, 1.2503



22.4636, 9.4953, 95.2566



6.8380, 9.4953, 0.0000

Square

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



22.4636, 9.4953, 95.2566



26.8679, 9.4953, 0.0000



2.4192, 9.4953, 0.0000



1.5972, 9.4953, 69.5848

Rectangle

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



22.4636, 9.4953, 95.2566



34.5462, 9.4953, 11.1163



2.4192, 9.4953, 0.0000



0.7427, 9.4953, 9.5984

Sweetspot

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



22.4645, 9.4958, 95.2566



59.5522, 52.3966, 101.5826



31.6408, 34.4016, 99.5803



11.9051, 10.1255, 21.5769



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.



22.4645, 9.4958, 95.2566



46.5910, 21.9334, 96.3857



17.6216, 17.6967, 22.7370



11.8862, 5.0381, 49.7806



1.2717, 0.5495, 4.8523

Inverse Universe

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



47.8501, 23.9040, 36.7382



36.5686, 71.9368, 11.9578



18.4982, 18.1826, 21.2406



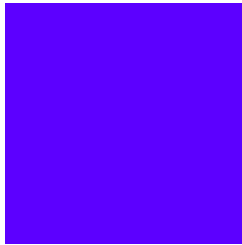
25.0767, 12.5200, 19.5864



2.4940, 1.2400, 2.1827

Previews

White Background



This preview shows how the XYZ color 22.4636, 9.4953, 95.2566 looks on a white background.

Color Contrast Check

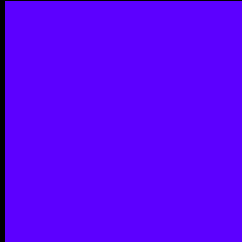
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 22.4636, 9.4953, 95.2566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.4636, 9.4953, 95.2566

Background



This preview shows how black text looks on a background with the XYZ color 22.4636, 9.4953, 95.2566.



This preview shows how white text looks on a background with the XYZ color 22.4636, 9.4953,

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

22.4636, 9.4953, 95.2566

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.2421, 9.5467, 30.6337



Tritanopia

6.7734, 9.5489, 14.5828

Trichromacy



Original Color

22.4636, 9.4953, 95.2566

Protanomaly

13.0869, 7.4179, 59.1346

Deuteranomaly

11.2756, 6.9237, 48.8862

Tritanomaly

8.6078, 6.2718, 33.5578

Monochromacy



Original Color

22.4636, 9.4953, 95.2566

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

7.1191, 4.1488, 21.1945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4636, 9.4953, 95.2566 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(92, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 0, 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(92, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.4636, 9.4953, 95.2566 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(92, 0, 255) }
```

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

```
.border{ border-color:rgb(92, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.4636, 9.4953, 95.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 0, 255) }
```

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

```
.background{ background-color: rgb(92, 0,  
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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