

Converting Colors

XYZ(32.3321, 23.2843, 89.1777)

Have a look what the booklet for
XYZ(32.3321, 23.2843, 89.1777)
contains.

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Color

**XYZ(32.4289, 23.4152,
89.1966)**

Conversions

Conversions Part 1

Format	Color
Hex	8870F5
RGB	136, 112, 245
RGB Percent	53%, 44%, 96%
CMY	0.4666, 0.5608, 0.0392
CMYK	0.44, 0.54, 0.00, 0.04
HSL	251°, 87%, 70%
HSV	251°, 54%, 96%
XYZ	32.4289, 23.4152, 89.1966
YIQ	134.3380, -28.3890, 46.4510

Conversions

Conversions Part 2

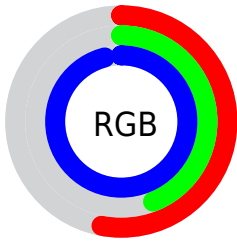
Format	Color
R_{YB}	136, 112, 245
Decimal	8941813
CIE _{Lab}	55.50, 41.20, -63.87
CIE _{LCh}	55, 76.004, 302.829
Yxy	23.4152, 0.2236, 0.1614
Android (android.graphics.Color)	4287131893 (0xFF8870F5)
YUV	134.3380, 54.5564, 1.4576
Hunter-Lab	48.3893, 34.9437, -75.4176

Details

The XYZ color **32.4289, 23.4152, 89.1966** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **65.3956, 81.8470, 27.6811**, and the grayscale version is **22.5982, 23.7751, 25.8910**.

A 20% lighter version of the original color is **53.8311, 45.3730, 100.5284**, and **13.9152, 8.7636, 48.5351** is the 20% darker color. If you saturate the color by 10%, you get **27.1231, 17.1985, 88.2768**, and if you desaturate by 10%, it is **39.0829, 31.4188, 90.3913**.

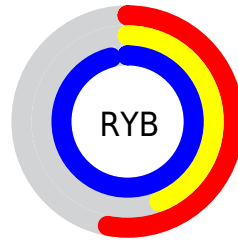
Distribution



Red (53%)

Green (44%)

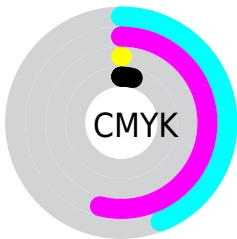
Blue (96%)



Red (53%)

Yellow (44%)

Blue (96%)

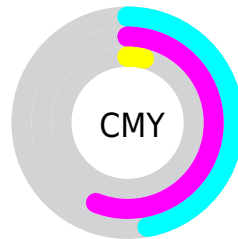


Cyan (44%)

Magenta (54%)

Yellow (0%)

Black (4%)



Cyan (47%)

Magenta (56%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4289, 23.4152, 89.1966 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 32.4289, 23.4152, 89.1966 by changing the saturation by 10% instead.

■ 32.4289, 23.4152,
89.1966

■ 32.4289, 23.4152,
89.1966

304.7791,
269.8504, 545.9165

■ 21.8464, 14.9004,
66.7445

■ 62.8435, 49.0742,
148.1477

■ 13.8601, 8.7495,
48.4168

■ 83.4064, 66.9872,
185.4838

■ 8.1045, 4.5782,
33.7947

■ 108.0268, 88.8016,
228.6183

■ 4.2142, 2.0019,
22.4599

■ 137.0701,
114.9020, 277.9699

■ 1.8240, 0.6086,
13.9936

170.9016,
145.6727, 333.9569

■ 0.5321, 0.0000,
7.9775

209.8867,

■ 0.0000, 0.0000,

181.4981, 396.9980

3.9930

254.3908,
222.7625, 467.5117

■ 0.0000, 0.0000,
1.6215

■ 0.0000, 0.0000,
0.3061

■ 32.4289, 23.4152,
89.1966

■ 32.4289, 23.4152,
89.1966

■ 27.1231, 17.1985,
88.2768

■ 39.0829, 31.4188,
90.3913

■ 23.0669, 12.6263,
87.6081

■ 47.1678, 41.3320,
91.8786

■ 20.1529, 9.5382,
87.1656

■ 56.7631, 53.2689,
93.6769

■ 18.2522, 7.7386,
86.9184

■ 67.9417, 67.3343,
95.8026

■ 17.5295, 7.1329,
86.8396

■ 80.7715, 83.6255,
98.2709

■ 93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



23.0780, 23.4152, 107.5533



32.4289, 23.4152, 89.1966



40.3535, 23.4152, 53.6618

Triad

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



32.4289, 23.4152, 89.1966



30.6533, 23.4152, 2.3463



9.5278, 23.4152, 27.8940

Complementary

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



32.4289, 23.4152, 89.1966



65.3956, 81.8470, 27.6811

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.



10.5855, 23.4152, 9.4547



32.4289, 23.4152, 89.1966



21.4527, 23.4152, 1.4458

Square

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



32.4289, 23.4152, 89.1966



39.1572, 23.4152, 7.5229



14.4690, 23.4152, 2.8534



11.0884, 23.4152, 60.5582

Rectangle

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



32.4289, 23.4152, 89.1966



42.9163, 23.4152, 31.8468



14.4690, 23.4152, 2.8534



9.5897, 23.4152, 20.0498

Sweetspot

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



32.4299, 23.4160, 89.1972



72.1378, 70.8751, 104.4859



49.5073, 62.7243, 95.8844



14.8826, 14.4667, 22.2579



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.



32.4299, 23.4160, 89.1972



29.2734, 18.3399, 96.6048



46.2741, 30.5529, 89.8451



15.8600, 16.0705, 20.8086



9.5253, 3.8848, 46.7858



0.9129, 0.3805, 4.1156

Inverse Universe

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



56.5017, 36.2217, 72.4189



58.4357, 33.8874, 74.7574



49.3525, 73.5765, 26.9303



17.0778, 16.7140, 20.1562



25.9993, 12.7431, 31.0342



2.3178, 1.1331, 2.8999

Previews

White Background



This preview shows how the XYZ color 32.4289, 23.4152, 89.1966 looks on a white background.

Color Contrast Check

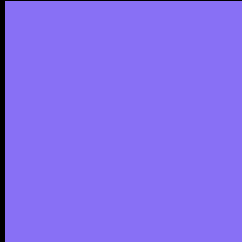
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 32.4289, 23.4152, 89.1966 looks on a black 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

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

XYZ 32.4289, 23.4152, 89.1966

Background



This preview shows how black text looks on a background with the XYZ color 32.4289, 23.4152, 89.1966.



This preview shows how white text looks on a background with the XYZ color 32.4289, 23.4152,

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

32.4289, 23.4152, 89.1966

Protanopia

27.5728, 23.5881, 97.7075

Deuteranopia

24.3921, 23.6192, 85.7114



Tritanopia

20.8465, 23.4089, 31.4366

Trichromacy



Original Color

32.4289, 23.4152, 89.1966

Protanomaly

28.3026, 22.9103, 94.1972

Deuteranomaly

24.8830, 22.2425, 86.9862

Tritanomaly

24.0121, 22.8503, 47.9447

Monochromacy



Original Color

32.4289, 23.4152, 89.1966

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.0925, 23.1286, 43.1861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4289, 23.4152, 89.1966 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(136, 112, 245)` looks like.

```
.text, #text, p{  
    color:rgb(136, 112, 245)  
}
```

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(136, 112, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 112, 245) }
```

Border

The CSS property to change the border of an element to XYZ 32.4289, 23.4152, 89.1966 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(136, 112, 245) }
```


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

```
.border{ border-color:rgb(136, 112, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 112, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 112, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 112, 245);  
box-shadow:4px 4px 4px 4px rgb(136, 112,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4289, 23.4152, 89.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 112, 245) }
```

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

```
.background{ background-color: rgb(136,  
112, 245) }
```

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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