

Converting Colors

XYZ(32.5881, 16.4720, 96.0696)

Have a look what the booklet for
XYZ(32.5881, 16.4720, 96.0696)
contains.

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Color

**XYZ(32.5603, 16.4577,
96.0683)**

Conversions

Conversions Part 1

Format	Color
Hex	9A33FF
RGB	154, 51, 255
RGB Percent	60%, 20%, 100%
CMY	0.3961, 0.8000, 0.0000
CMYK	0.40, 0.80, 0.00, 0.00
HSL	270°, 100%, 60%
HSV	270°, 80%, 100%
XYZ	32.5603, 16.4577, 96.0683
YIQ	105.0530, -4.0960, 85.2800

Conversions

Conversions Part 2

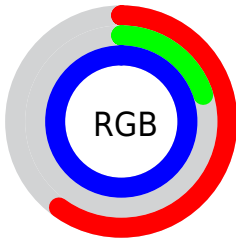
Format	Color
RYB	154, 51, 255
Decimal	10105855
CIELab	47.57, 75.85, -82.22
CIELCh	48, 111.863, 312.691
Yxy	16.4577, 0.2244, 0.1134
Android (android.graphics.Color)	4288295935 (0xFF9A33FF)
YUV	105.0530, 73.9239, 42.9265
Hunter-Lab	40.5681, 72.2715, -112.0055

Details

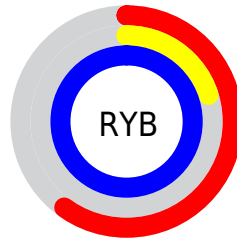
The XYZ color **32.5603, 16.4577, 96.0683** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **49.3056, 78.4340, 15.6726**, and the grayscale version is **13.2495, 13.9395, 15.1801**.

A 20% lighter version of the original color is **51.6503, 32.8189, 98.2202**, and **14.3924, 6.2554, 53.2722** is the 20% darker color. If you saturate the color by 10%, you get **29.4577, 13.6330, 95.6866**, and if you desaturate by 10%, it is **36.5271, 20.6332, 96.6652**.

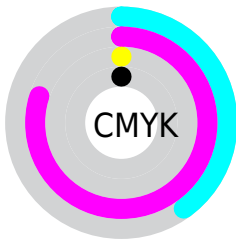
Distribution



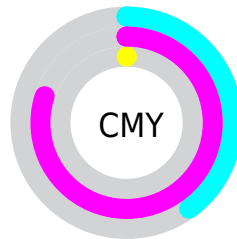
- Red (60%)
- Green (20%)
- Blue (100%)



- Red (60%)
- Yellow (20%)
- Blue (100%)



- Cyan (40%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5603, 16.4577, 96.0683 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 32.5603, 16.4577, 96.0683 by changing the saturation by 10% instead.

 32.5603, 16.4577,
96.0683


 32.5603, 16.4577,
96.0683


305.3639,
232.0276, 568.6509


 21.9474, 9.8486,
72.4227


 63.0477, 37.3910,
157.7479


 13.9347, 5.2987,
53.0151

 83.6530, 52.4840,
196.6190


 8.1566, 2.4236,
37.4270


 108.3198, 71.1737,
241.4023

 4.2480, 0.8380,
25.2399

 137.4134, 93.8446,
292.5163

 1.8434, 0.0000,
16.0352

 171.2993,
120.8810, 350.3797

 0.5436, 0.0000,
9.3945

210.3428,

 0.0000, 0.0000,

152.6674, 415.4108

4.8990

254.9092,
189.5881, 488.0284

■ 0.0000, 0.0000,
2.1304

■ 0.0000, 0.0000,
0.6338

■ 32.5603, 16.4577,
96.0683

■ 32.5603, 16.4577,
96.0683

■ 29.4577, 13.6330,
95.6866

■ 36.5271, 20.6332,
96.6652

■ 27.0662, 11.8680,
95.4720

■ 41.4505, 26.3367,
97.5066

■ 27.0662, 11.8680,
95.4720

■ 47.4115, 33.7188,
98.6173

■ 54.4811, 42.9110,
100.0189

■ 62.7231, 54.0314,
101.7310

■ 72.1963, 67.1877,
103.7711

■ 82.9550, 82.4797,
106.1557

■ 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.



20.2402, 16.4577, 142.4330



32.5603, 16.4577, 96.0683



41.9884, 16.4577, 39.7032

Triad

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



32.5603, 16.4577, 96.0683



22.0630, 16.4577, 0.0000



3.4080, 16.4577, 32.8785

Complementary

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



32.5603, 16.4577, 96.0683



49.3056, 78.4340, 15.6726

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.



3.5547, 16.4577, 6.0504



32.5603, 16.4577, 96.0683



11.7998, 16.4577, 0.0000

Square

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



32.5603, 16.4577, 96.0683



34.3725, 16.4577, 0.4312



5.9165, 16.4577, 0.0000



5.3637, 16.4577, 86.8067

Rectangle

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



32.5603, 16.4577, 96.0683



43.6447, 16.4577, 15.4651



5.9165, 16.4577, 0.0000



3.2487, 16.4577, 20.6210

Sweetspot

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



32.5612, 16.4582, 96.0683



68.2556, 61.6742, 102.9146



30.8065, 30.7063, 98.9110



13.8947, 12.2102, 21.8744



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.



32.5612, 16.4582, 96.0683



27.9612, 12.4938, 95.5456



60.4738, 30.8477, 97.3746



17.8772, 17.8284, 22.7490



14.3152, 6.2903, 49.8942



1.5199, 0.6774, 4.8639

Inverse Universe

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



48.0910, 25.8945, 32.1674



45.4742, 23.1308, 23.6811



37.7228, 72.4628, 15.1305



18.3843, 18.1370, 20.6410



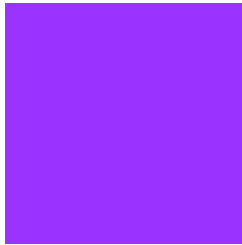
23.6000, 11.9293, 11.8099



2.3529, 1.1835, 1.4399

Previews

White Background



This preview shows how the XYZ color 32.5603, 16.4577, 96.0683 looks on a white background.

Color Contrast Check

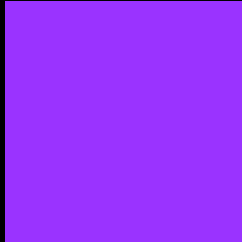
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5603, 16.4577, 96.0683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

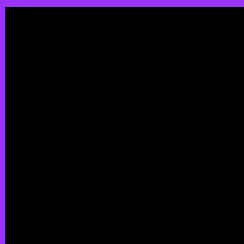
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5603, 16.4577, 96.0683

Background



This preview shows how black text looks on a background with the XYZ color 32.5603, 16.4577, 96.0683.



This preview shows how white text looks on a background with the XYZ color 32.5603, 16.4577,

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

32.5603, 16.4577, 96.0683

Protanopia

19.6115, 16.5944, 76.2981

Deuteranopia

16.4384, 16.5680, 55.7576



Tritanopia

16.8271, 16.2712, 18.7768

Trichromacy



Original Color

32.5603, 16.4577, 96.0683



Protanomaly

20.5532, 13.9932, 82.5066



Deuteranomaly

18.2442, 13.6095, 68.6832



Tritanomaly

20.3749, 14.7573, 38.3338

Monochromacy



Original Color

32.5603, 16.4577, 96.0683



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

17.7620, 13.2460, 34.8783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5603, 16.4577, 96.0683 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(154, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 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(154, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.5603, 16.4577, 96.0683 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(154, 51, 255) }
```


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

```
.border{ border-color:rgb(154, 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(154, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5603, 16.4577, 96.0683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 51, 255) }
```

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

```
.background{ background-color: rgb(154, 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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