

Converting Colors

XYZ(43.7251, 23.4963,
136.3865)

Have a look what the booklet for
XYZ(43.7251, 23.4963, 136.3865)
contains.

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Color

**XYZ(36.2209, 20.5271,
96.6608)**

Conversions

Conversions Part 1

Format	Color
Hex	A54DFF
RGB	165, 77, 255
RGB Percent	65%, 30%, 100%
CMY	0.3529, 0.6980, 0.0000
CMYK	0.35, 0.70, 0.00, 0.00
HSL	270°, 100%, 65%
HSV	270°, 70%, 100%
XYZ	36.2209, 20.5271, 96.6608
YIQ	123.6040, -4.6900, 74.0140

Conversions

Conversions Part 2

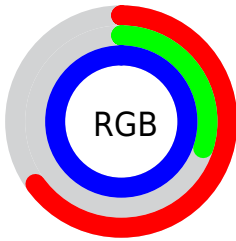
Format	Color
RYB	165, 77, 255
Decimal	10833407
CIELab	52.43, 67.55, -74.24
CIELCh	52, 100.373, 312.301
Yxy	20.5271, 0.2361, 0.1338
Android (android.graphics.Color)	4289023487 (0xFFA54DFF)
YUV	123.6040, 64.7782, 36.3043
Hunter-Lab	45.3068, 63.4162, -94.7787

Details

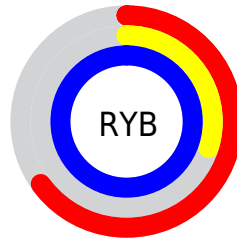
The XYZ color **36.2209, 20.5271, 96.6608** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **53.0356, 80.2711, 19.7201**, and the grayscale version is **18.8206, 19.8008, 21.5630**.

A 20% lighter version of the original color is **57.3526, 39.7301, 99.2536**, and **16.0234, 7.2738, 53.3828** is the 20% darker color. If you saturate the color by 10%, you get **32.2255, 16.3179, 96.0589**, and if you desaturate by 10%, it is **41.1872, 26.2744, 97.5084**.

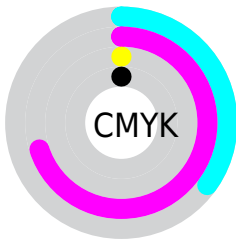
Distribution



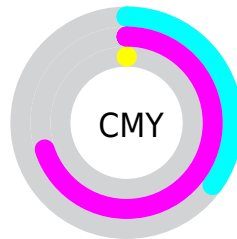
- Red (65%)
- Green (30%)
- Blue (100%)



- Red (65%)
- Yellow (30%)
- Blue (100%)



- Cyan (35%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2209, 20.5271, 96.6608 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 36.2209, 20.5271, 96.6608 by changing the saturation by 10% instead.


 36.2209, 20.5271,
96.6608

 36.2209, 20.5271,
96.6608


321.3394,
254.7545, 570.5879


 24.7757, 12.7788,
72.9135


 68.6945, 44.2992,
158.5723

 16.0379, 7.2764,
53.4139


 90.4537, 61.0917,
197.5737


 9.6420, 3.6355,
37.7433


 116.3816, 81.6677,
242.4968

 5.2227, 1.4719,
25.4832

 146.8436,
106.4117, 293.7602

 2.4146, 0.2688,
16.2151

 182.2050,
135.7079, 351.7825

 0.8524, 0.0000,
9.5205

222.8312,

 0.0000, 0.0000,

169.9409, 416.9822

4.9808

269.0876,
209.4949, 489.7778

■ 0.0000, 0.0000,
2.1775

■ 0.0000, 0.0000,
0.6613

■ 36.2209, 20.5271,
96.6608

■ 36.2209, 20.5271,
96.6608

■ 32.2255, 16.3179,
96.0589

■ 41.1872, 26.2744,
97.5084

■ 29.1033, 13.4666,
95.6731

■ 47.2024, 33.7079,
98.6262

■ 26.7077, 11.6913,
95.4567

■ 54.3384, 42.9596,
100.0358

■ 26.6647, 11.6611,
95.4532

■ 62.6596, 54.1477,
101.7568

■ 72.2250, 67.3798,
103.8067

■ 83.0893, 82.7559,
106.2019

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.



24.0690, 20.5271, 137.2536



36.2209, 20.5271, 96.6608



45.3030, 20.5271, 44.5661

Triad

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



36.2209, 20.5271, 96.6608



26.2142, 20.5271, 0.0000



5.8027, 20.5271, 36.8396

Complementary

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



36.2209, 20.5271, 96.6608



53.0356, 80.2711, 19.7201

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.



6.0217, 20.5271, 9.1066



36.2209, 20.5271, 96.6608



15.5671, 20.5271, 0.0000

Square

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



36.2209, 20.5271, 96.6608



38.2619, 20.5271, 1.7451



8.9407, 20.5271, 1.1390



8.1751, 20.5271, 86.9227

Rectangle

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



36.2209, 20.5271, 96.6608



46.9476, 20.5271, 20.1377



8.9407, 20.5271, 1.1390



5.6083, 20.5271, 24.7198

Sweetspot

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



36.2218, 20.5278, 96.6609



71.0128, 65.6851, 103.5435



35.2927, 37.1617, 99.9206



14.6161, 13.2473, 22.0366



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.



36.2218, 20.5278, 96.6609



30.8149, 14.9674, 95.8726



60.8610, 33.2297, 97.8140



17.8584, 17.8187, 22.7481



14.1046, 6.1817, 49.8844



1.4991, 0.6667, 4.8630

Inverse Universe

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



50.8689, 29.3580, 39.5439



47.4588, 25.0052, 30.8008



40.4052, 73.7600, 19.1291



18.3926, 18.1403, 20.6844



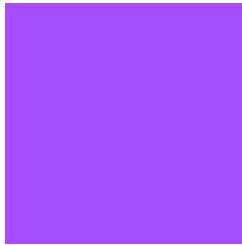
23.6923, 11.9662, 12.2962



2.3620, 1.1872, 1.4878

Previews

White Background



This preview shows how the XYZ color 36.2209, 20.5271, 96.6608 looks on a white background.

Color Contrast Check

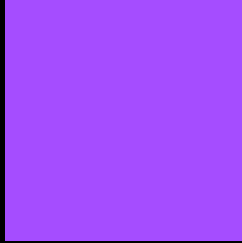
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2209, 20.5271, 96.6608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

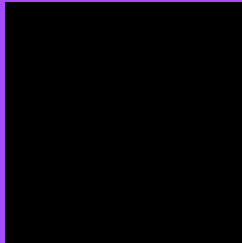
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2209, 20.5271, 96.6608

Background



This preview shows how black text looks on a background with the XYZ color 36.2209, 20.5271, 96.6608.



This preview shows how white text looks on a background with the XYZ color 36.2209, 20.5271,

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

36.2209, 20.5271, 96.6608

Protanopia

24.8874, 20.8947, 97.3291

Deuteranopia

20.9040, 20.7123, 72.0034



Tritanopia

21.3083, 20.3276, 23.2226

Trichromacy



Original Color

36.2209, 20.5271, 96.6608



Protanomaly

24.9651, 18.2838, 96.8211



Deuteranomaly

22.1834, 17.8385, 80.1159



Tritanomaly

24.9847, 19.3462, 42.4617

Monochromacy



Original Color

36.2209, 20.5271, 96.6608



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

23.3516, 18.9829, 41.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2209, 20.5271, 96.6608 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(165, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 77, 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(165, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2209, 20.5271, 96.6608 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(165, 77, 255) }
```


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

```
.border{ border-color:rgb(165, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2209, 20.5271, 96.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 77, 255) }
```

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

```
.background{ background-color: rgb(165, 77,  
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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