

Converting Colors

XYZ(36.7710, 20.4612, 98.2835)

Have a look what the booklet for
XYZ(36.7710, 20.4612, 98.2835)
contains.

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Color

**XYZ(36.4351, 20.3330,
96.6121)**

Conversions

Conversions Part 1

Format	Color
Hex	A74AFF
RGB	167, 74, 255
RGB Percent	65%, 29%, 100%
CMY	0.3451, 0.7098, 0.0000
CMYK	0.35, 0.71, 0.00, 0.00
HSL	271°, 100%, 65%
HSV	271°, 71%, 100%
XYZ	36.4351, 20.3330, 96.6121
YIQ	122.4410, -2.6730, 76.0070

Conversions

Conversions Part 2

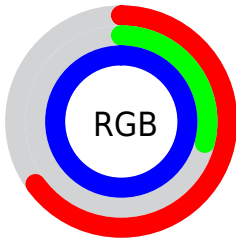
Format	Color
R_{YB}	167, 74, 255
Decimal	10963711
CIE _{Lab}	52.21, 69.20, -74.58
CIE _{LCh}	52, 101.738, 312.857
Yxy	20.3330, 0.2375, 0.1326
Android (android.graphics.Color)	4289153791 (0xFFA74AFF)
YUV	122.4410, 65.3516, 39.0782
Hunter-Lab	45.0921, 65.3194, -95.4672

Details

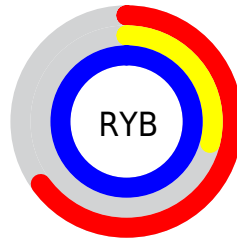
The XYZ color **36.4351, 20.3330, 96.6121** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **51.8959, 79.6956, 19.1264**, and the grayscale version is **18.4371, 19.3973, 21.1236**.

A 20% lighter version of the original color is **57.7112, 39.5162, 99.1934**, and **16.1523, 7.1787, 53.3576** is the 20% darker color. If you saturate the color by 10%, you get **32.5697, 16.3048, 96.0383**, and if you desaturate by 10%, it is **41.2428, 25.8706, 97.4275**.

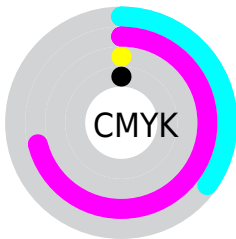
Distribution



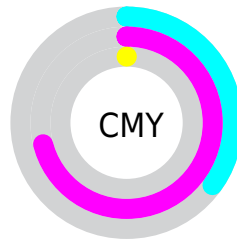
- Red (65%)
- Green (29%)
- Blue (100%)



- Red (65%)
- Yellow (29%)
- Blue (100%)



- Cyan (35%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4351, 20.3330, 96.6121 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 36.4351, 20.3330, 96.6121 by changing the saturation by 10% instead.


 36.4351, 20.3330,
96.6121


 36.4351, 20.3330,
96.6121


322.2565,
253.7122, 570.4288

 24.9421, 12.6373,
72.8732


 69.0226, 43.9748,
158.5046


 16.1624, 7.1793,
53.3811


 90.8478, 60.6897,
197.4952


 9.7307, 3.5745,
37.7173


 116.8477, 81.1798,
242.4069

 5.2817, 1.4385,
25.4632

 147.3878,
105.8295, 293.6580

 2.4499, 0.2448,
16.2003

 182.8334,
135.0232, 351.6673

 0.8701, 0.0000,
9.5101

223.5498,

 0.0000, 0.0000,

169.1453, 416.8531

4.9741

269.9023,
208.5801, 489.6341

■ 0.0000, 0.0000,
2.1736

■ 0.0000, 0.0000,
0.6591

■ 36.4351, 20.3330,
96.6121

■ 36.4351, 20.3330,
96.6121

■ 32.5697, 16.3048,
96.0383

■ 41.2428, 25.8706,
97.4275

■ 29.5477, 13.6021,
95.6759

■ 47.0710, 33.0678,
98.5095

■ 27.4142, 12.0474,
95.4882

■ 53.9921, 42.0581,
99.8801

■ 62.0701, 52.9607,
101.5587

71.3638, 65.8839,
103.5633

81.9277, 80.9280,
105.9104

93.8126, 98.1865,
108.6152

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.



24.1427, 20.3330, 138.6783



36.4351, 20.3330, 96.6121



45.5341, 20.3330, 43.7599

Triad

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



36.4351, 20.3330, 96.6121



25.8629, 20.3330, 0.0000



5.6232, 20.3330, 37.5434

Complementary

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



36.4351, 20.3330, 96.6121



51.8959, 79.6956, 19.1264

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.



5.7955, 20.3330, 9.1550



36.4351, 20.3330, 96.6121



15.1966, 20.3330, 0.0000

Square

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



36.4351, 20.3330, 96.6121



38.0782, 20.3330, 1.5438



8.6400, 20.3330, 1.0842



8.0344, 20.3330, 88.7238

Rectangle

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



36.4351, 20.3330, 96.6121



47.0854, 20.3330, 19.3969



8.6400, 20.3330, 1.0842



5.4159, 20.3330, 25.1284

Sweetspot

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



36.4360, 20.3337, 96.6121



71.3438, 65.8558, 103.5589



34.2394, 35.4064, 99.6372



14.6947, 13.2878, 22.0403



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.



36.4360, 20.3337, 96.6121



31.2595, 15.0705, 95.8691



61.7389, 33.3777, 97.7963



17.8932, 17.8367, 22.7497



14.4977, 6.3843, 49.9028



1.5378, 0.6867, 4.8648

Inverse Universe

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



50.2102, 28.7663, 37.0874



46.9467, 24.6645, 28.5229



39.8202, 73.4703, 18.5613



18.3774, 18.1343, 20.6043



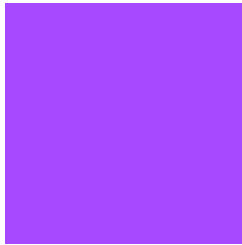
23.5237, 11.8988, 11.4082



2.3454, 1.1805, 1.4001

Previews

White Background



This preview shows how the XYZ color 36.4351, 20.3330, 96.6121 looks on a white background.

Color Contrast Check

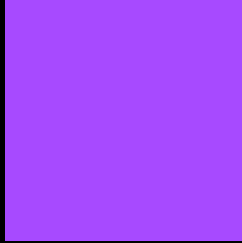
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4351, 20.3330, 96.6121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

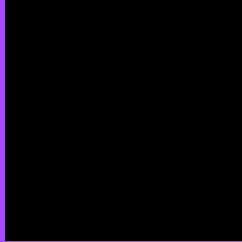
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4351, 20.3330, 96.6121

Background



This preview shows how black text looks on a background with the XYZ color 36.4351, 20.3330, 96.6121.



This preview shows how white text looks on a background with the XYZ color 36.4351, 20.3330,

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

36.4351, 20.3330, 96.6121

Protanopia

24.6059, 20.5887, 96.4431

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

21.4645, 20.2400, 22.8541

Trichromacy



Original Color

36.4351, 20.3330, 96.6121



Protanomaly

24.6641, 17.8484, 95.9111



Deuteranomaly

21.9950, 17.6004, 79.3288



Tritanomaly

25.1539, 19.1380, 42.4127

Monochromacy



Original Color

36.4351, 20.3330, 96.6121



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.7885, 18.4087, 40.3824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4351, 20.3330, 96.6121 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(167, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 74, 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(167, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 74, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4351, 20.3330, 96.6121 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(167, 74, 255) }
```


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

```
.border{ border-color:rgb(167, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 74,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4351, 20.3330, 96.6121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 74, 255) }
```

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

```
.background{ background-color: rgb(167, 74,  
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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