

Converting Colors

XYZ(35.0583, 19.1360, 96.4536)

Have a look what the booklet for
XYZ(35.0583, 19.1360, 96.4536)
contains.

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Color

**XYZ(35.0784, 19.1576,
96.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	A245FF
RGB	162, 69, 255
RGB Percent	64%, 27%, 100%
CMY	0.3647, 0.7294, 0.0000
CMYK	0.36, 0.73, 0.00, 0.00
HSL	270°, 100%, 64%
HSV	270°, 73%, 100%
XYZ	35.0784, 19.1576, 96.4567
YIQ	118.0110, -4.2780, 77.5620

Conversions

Conversions Part 2

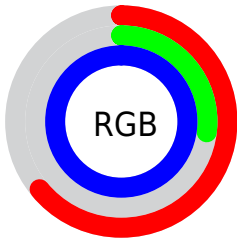
Format	Color
R _Y B	162, 69, 255
Decimal	10634751
CIE Lab	50.87, 70.41, -76.79
CIE LCh	51, 104.183, 312.520
Yxy	19.1576, 0.2328, 0.1271
Android (android.graphics.Color)	4288824831 (0xFFA245FF)
YUV	118.0110, 67.5356, 38.5784
Hunter-Lab	43.7694, 66.4600, -100.0216

Details

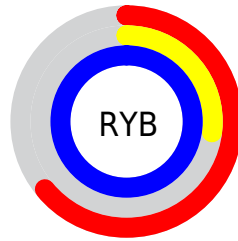
The XYZ color **35.0784, 19.1576, 96.4567** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **51.7339, 79.6308, 18.2740**, and the grayscale version is **17.0206, 17.9070, 19.5007**.

A 20% lighter version of the original color is **55.8150, 37.5752, 98.9187**, and **15.4449, 6.7979, 53.3214** is the 20% darker color. If you saturate the color by 10%, you get **31.3731, 15.3980, 95.9263**, and if you desaturate by 10%, it is **39.7214, 24.4003, 97.2239**.

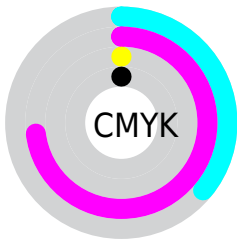
Distribution



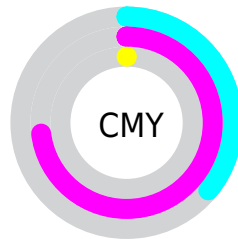
- Red (64%)
- Green (27%)
- Blue (100%)



- Red (64%)
- Yellow (27%)
- Blue (100%)



- Cyan (36%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0784, 19.1576, 96.4567 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 35.0784, 19.1576, 96.4567 by changing the saturation by 10% instead.

 35.0784, 19.1576,
96.4567


 35.0784, 19.1576,
96.4567


316.4162,
247.3174, 569.9210


 23.8901, 11.7842,
72.7444


 66.9404, 42.0002,
158.2884


 15.3764, 6.5969,
53.2764


 88.3448, 58.2383,
197.2449


 9.1720, 3.2113,
37.6343


 113.8853, 78.2000,
242.1199

 4.9116, 1.2430,
25.3993

 143.9272,
102.2698, 293.3319

 2.2297, 0.0964,
16.1531

 178.8359,
130.8320, 351.2995

 0.7583, 0.0000,
9.4770

218.9767,

 0.0000, 0.0000,

164.2711, 416.4412

4.9526

264.7150,
202.9714, 489.1755

■ 0.0000, 0.0000,
2.1612

■ 0.0000, 0.0000,
0.6519

■ 35.0784, 19.1576,
96.4567

■ 35.0784, 19.1576,
96.4567

■ 31.3731, 15.3980,
95.9263

■ 39.7214, 24.4003,
97.2239

■ 28.5019, 12.9293,
95.6011

■ 45.3834, 31.2816,
98.2537

■ 26.8778, 11.7709,
95.4631

■ 52.1391, 39.9385,
99.5686

■ 60.0543, 50.4927,
101.1886

69.1894, 63.0549,
103.1319

79.6000, 77.7272,
105.4152

91.3383, 94.6043,
108.0541

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.



22.8332, 19.1576, 139.0768



35.0784, 19.1576, 96.4567



44.2806, 19.1576, 42.8717

Triad

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



35.0784, 19.1576, 96.4567



24.8066, 19.1576, 0.0000



4.9350, 19.1576, 35.6759

Complementary

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



35.0784, 19.1576, 96.4567



51.7339, 79.6308, 18.2740

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.



5.1225, 19.1576, 8.0673



35.0784, 19.1576, 96.4567



14.2551, 19.1576, 0.0000

Square

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



35.0784, 19.1576, 96.4567



36.9824, 19.1576, 1.2306



7.8587, 19.1576, 0.7636



7.1887, 19.1576, 87.1679

Rectangle

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



35.0784, 19.1576, 96.4567



45.9145, 19.1576, 18.4705



7.8587, 19.1576, 0.7636



4.7487, 19.1576, 23.4459

Sweetspot

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



35.0793, 19.1582, 96.4568



70.1135, 64.3438, 103.3319



33.4248, 34.3261, 99.4717



14.4435, 12.9879, 21.9956



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.



35.0793, 19.1582, 96.4568



29.8234, 14.0014, 95.7384



61.4182, 32.7364, 97.6894



17.8684, 17.8239, 22.7485



14.2164, 6.2393, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

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



49.8895, 28.1249, 36.9802



46.6621, 24.1962, 28.1165



39.2885, 73.2149, 17.6916



18.3882, 18.1386, 20.6612



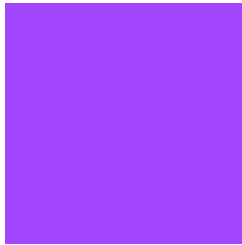
23.6427, 11.9464, 12.0349



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 35.0784, 19.1576, 96.4567 looks on a white background.

Color Contrast Check

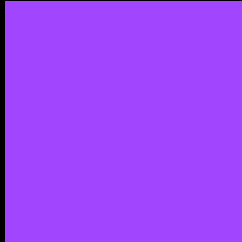
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0784, 19.1576, 96.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

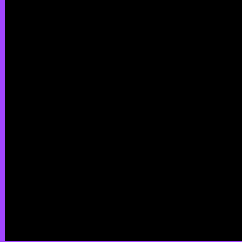
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.0784, 19.1576, 96.4567

Background



This preview shows how black text looks on a background with the XYZ color 35.0784, 19.1576, 96.4567.



This preview shows how white text looks on a background with the XYZ color 35.0784, 19.1576,

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

35.0784, 19.1576, 96.4567

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.3453, 19.2703, 66.3183



Tritanopia

19.9222, 18.9509, 21.6767

Trichromacy



Original Color

35.0784, 19.1576, 96.4567



Protanomaly

23.6161, 16.9463, 92.4687



Deuteranomaly

20.8968, 16.4876, 76.2098



Tritanomaly

23.4911, 17.7337, 41.2145

Monochromacy



Original Color

35.0784, 19.1576, 96.4567



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

21.4566, 17.0098, 39.1981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0784, 19.1576, 96.4567 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(162, 69, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 69, 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(162, 69, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 69, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.0784, 19.1576, 96.4567 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(162, 69, 255) }
```


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

```
.border{ border-color:rgb(162, 69, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 69, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 69, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 69, 255); box-shadow:4px 4px 4px 4px rgb(162, 69, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0784, 19.1576, 96.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 69, 255) }
```

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

```
.background{ background-color: rgb(162, 69,  
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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