

Converting Colors

XYZ(36.3204, 18.5350, 92.9272)

Have a look what the booklet for
XYZ(36.3204, 18.5350, 92.9272)
contains.

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Color

**XYZ(36.3198, 18.5350,
92.9301)**

Conversions

Conversions Part 1

Format	Color
Hex	AF34FB
RGB	175, 52, 251
RGB Percent	69%, 20%, 98%
CMY	0.3137, 0.7961, 0.0157
CMYK	0.30, 0.79, 0.00, 0.02
HSL	277°, 96%, 59%
HSV	277°, 79%, 98%
XYZ	36.3198, 18.5350, 92.9301
YIQ	111.4630, 9.4290, 87.9650

Conversions

Conversions Part 2

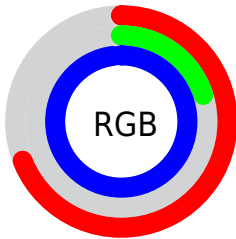
Format	Color
R _Y B	175, 52, 251
Decimal	11482363
CIE Lab	50.14, 77.75, -75.68
CIE LCh	50, 108.502, 315.773
Yxy	18.5350, 0.2458, 0.1254
Android (android.graphics.Color)	4289672443 (0xFFAF34FB)
YUV	111.4630, 68.7917, 55.7219
Hunter-Lab	43.0523, 75.2448, -97.8432

Details

The XYZ color **36.3198, 18.5350, 92.9301** 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 **44.0192, 73.8317, 15.1800**, and the grayscale version is **15.0491, 15.8329, 17.2420**.

A 20% lighter version of the original color is **58.5472, 36.8631, 98.6373**, and **16.6959, 7.4951, 51.0188** is the 20% darker color. If you saturate the color by 10%, you get **33.4065, 15.7887, 92.5539**, and if you desaturate by 10%, it is **39.9823, 22.5505, 93.5125**.

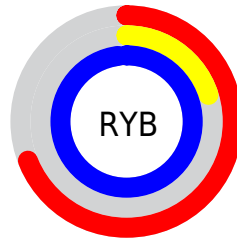
Distribution



Red (69%)

Green (20%)

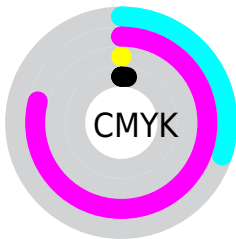
Blue (98%)



Red (69%)

Yellow (20%)

Blue (98%)

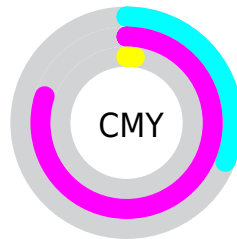


Cyan (30%)

Magenta (79%)

Yellow (0%)

Black (2%)



Cyan (31%)


Magenta (80%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3198, 18.5350, 92.9301 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 36.3198, 18.5350, 92.9301 by changing the saturation by 10% instead.

 36.3198, 18.5350,
92.9301


 36.3198, 18.5350,
92.9301


321.7631,
243.8695, 558.3311


 24.8525, 11.3348,
69.8261


 68.8460, 40.9469,
153.3727


 16.0954, 6.2925,
50.9088


 90.6357, 56.9273,
191.5483


 9.6829, 3.0237,
35.7598

 116.5969, 76.6032,
235.5849

 5.2499, 1.1441,
23.9605

 147.0950,
100.3591, 285.9010

 2.4309, 0.0154,
15.0924

 182.4953,
128.5792, 342.9152

 0.8605, 0.0000,
8.7369

223.1632,

 0.0000, 0.0000,

161.6481, 407.0459

4.4755

269.4640,
199.9501, 478.7117

■ 0.0000, 0.0000,
1.8897

■ 0.0000, 0.0000,
0.4862

■ 36.3198, 18.5350,
92.9301

■ 36.3198, 18.5350,
92.9301

■ 33.4065, 15.7887,
92.5539

■ 39.9823, 22.5505,
93.5125

■ 31.1101, 14.0554,
92.3404

■ 44.4770, 28.0002,
94.3275

■ 30.9579, 13.9479,
92.3277

■ 49.8774, 35.0257,
95.3989

■ 56.2475, 43.7504,
96.7472

63.6447, 54.2855,
98.3908

72.1218, 66.7321,
100.3465

81.7277, 81.1840,
102.6297

92.5080, 97.7286,
105.2549

94.4127, 99.7451,
105.5438

Harmonies

Analogous

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



23.6701, 18.5350, 141.8789



36.3198, 18.5350, 92.9301



45.1932, 18.5350, 37.9079

Triad

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



36.3198, 18.5350, 92.9301



23.0372, 18.5350, 0.0000



4.4838, 18.5350, 40.2408

Complementary

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



36.3198, 18.5350, 92.9301



44.0192, 73.8317, 15.1800

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.



4.4276, 18.5350, 9.0763



36.3198, 18.5350, 92.9301



12.6952, 18.5350, 0.0000

Square

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



36.3198, 18.5350, 92.9301



35.7014, 18.5350, 0.6079



6.7766, 18.5350, 0.7527



6.9817, 18.5350, 96.0068

Rectangle

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



36.3198, 18.5350, 92.9301



46.1650, 18.5350, 14.9235



6.7766, 18.5350, 0.7527



4.2257, 18.5350, 26.5488

Sweetspot

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



36.3208, 18.5356, 92.9306



70.4553, 62.8082, 103.0175



26.5854, 23.2080, 94.3455



14.4230, 12.4825, 21.8991



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.



36.3208, 18.5356, 92.9306



33.1898, 15.2338, 95.7989



54.9855, 28.5550, 75.8553



17.3134, 17.1742, 21.7877



16.4401, 7.4178, 48.5389



1.6407, 0.7479, 4.5011

Inverse Universe

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



44.9082, 24.5240, 22.7885



43.9442, 22.5669, 15.4758



37.1911, 70.2358, 18.2927



17.5189, 17.3349, 19.3223



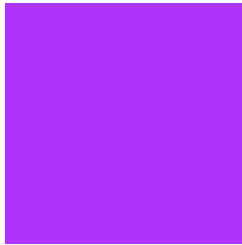
22.0837, 11.2492, 7.1492



2.0952, 1.0618, 0.9248

Previews

White Background



This preview shows how the XYZ color 36.3198, 18.5350, 92.9301 looks on a white background.

Color Contrast Check

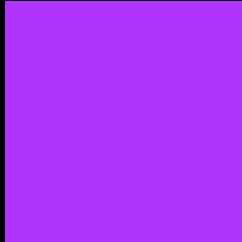
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3198, 18.5350, 92.9301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

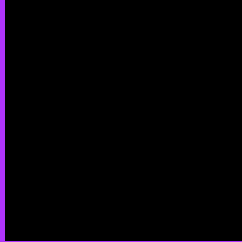
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3198, 18.5350, 92.9301

Background



This preview shows how black text looks on a background with the XYZ color 36.3198, 18.5350, 92.9301.



This preview shows how white text looks on a background with the XYZ color 36.3198, 18.5350,

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

36.3198, 18.5350, 92.9301

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.8432, 18.6725, 64.8984



Tritanopia

21.1147, 18.3325, 18.6453

Trichromacy



Original Color

36.3198, 18.5350, 92.9301



Protanomaly

22.5761, 15.3981, 88.9710



Deuteranomaly

20.1165, 15.1304, 73.8117



Tritanomaly

24.6062, 16.9703, 37.1007

Monochromacy



Original Color

36.3198, 18.5350, 92.9301



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

20.0093, 14.9893, 36.0210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3198, 18.5350, 92.9301 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(175, 52, 251)` looks like.

```
.text, #text, p{  
    color:rgb(175, 52, 251)  
}
```

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(175, 52, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 52, 251) }
```

Border

The CSS property to change the border of an element to XYZ 36.3198, 18.5350, 92.9301 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(175, 52, 251) }
```


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

```
.border{ border-color:rgb(175, 52, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 52, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 52, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 52, 251);  
box-shadow:4px 4px 4px 4px rgb(175, 52,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3198, 18.5350, 92.9301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 52, 251) }
```

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

```
.background{ background-color: rgb(175, 52,  
251) }
```

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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