

Converting Colors

XYZ(36.0895, 17.7389, 91.8821)

Have a look what the booklet for
XYZ(36.0895, 17.7389, 91.8821)
contains.

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Color

**XYZ(36.1456, 17.7668,
91.9667)**

Conversions

Conversions Part 1

Format	Color
Hex	B128FA
RGB	177, 40, 250
RGB Percent	69%, 16%, 98%
CMY	0.3059, 0.8431, 0.0196
CMYK	0.29, 0.84, 0.00, 0.02
HSL	279°, 95%, 57%
HSV	279°, 84%, 98%
XYZ	36.1456, 17.7668, 91.9667
YIQ	104.9030, 14.2420, 94.3540

Conversions

Conversions Part 2

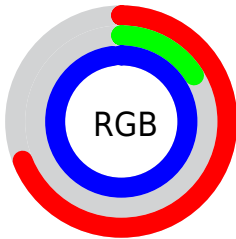
Format	Color
R _{YB}	177, 40, 250
Decimal	11610362
CIE _{Lab}	49.21, 81.16, -76.62
CIE _{LCh}	49, 111.616, 316.650
Yxy	17.7668, 0.2478, 0.1218
Android (android.graphics.Color)	4289800442 (0xFFB128FA)
YUV	104.9030, 71.5328, 63.2291
Hunter-Lab	42.1507, 79.3059, -99.8567

Details

The XYZ color **36.1456, 17.7668, 91.9667** 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 **41.3787, 72.0353, 13.7310**, and the grayscale version is **13.2122, 13.9002, 15.1373**.

A 20% lighter version of the original color is **58.3615, 35.5003, 98.3840**, and **16.8505, 7.5877, 50.4456** is the 20% darker color. If you saturate the color by 10%, you get **33.6415, 15.6031, 91.6814**, and if you desaturate by 10%, it is **39.3212, 21.0838, 92.4399**.

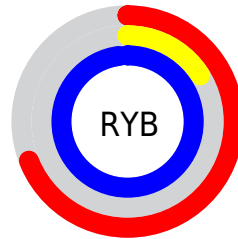
Distribution



Red (69%)

Green (16%)

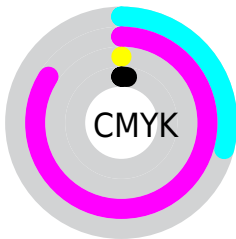
Blue (98%)



Red (69%)

Yellow (16%)

Blue (98%)

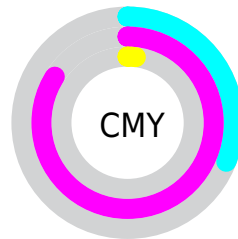


Cyan (29%)

Magenta (84%)

Yellow (0%)

Black (2%)



Cyan (31%)


Magenta (84%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1456, 17.7668, 91.9667 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 36.1456, 17.7668, 91.9667 by changing the saturation by 10% instead.

 36.1456, 17.7668,
91.9667


 36.1456, 17.7668,
91.9667


321.0166,
239.5533, 555.1422


 24.7173, 10.7827,
69.0301


 68.5791, 39.6396,
152.0265


 15.9942, 5.9209,
50.2643


 90.3151, 55.2970,
189.9868

 9.6108, 2.7970,
35.2508


 116.2176, 74.6143,
233.7921

 5.2020, 1.0267,
23.5710

 146.6521, 97.9760,
283.8609

 2.4022, 0.0000,
14.8065

 181.9839,
125.7663, 340.6118

 0.8462, 0.0000,
8.5386

222.5783,

 0.0000, 0.0000,

158.3697, 404.4633

4.3488

268.8008,
196.1706, 475.8339

■ 0.0000, 0.0000,
1.8186

■ 0.0000, 0.0000,
0.4402

■ 36.1456, 17.7668,
91.9667

■ 36.1456, 17.7668,
91.9667

■ 33.6415, 15.6031,
91.6814

■ 39.3212, 21.0838,
92.4399

■ 32.3798, 14.6991,
91.5734

■ 43.2586, 25.7351,
93.1302

■ 48.0352, 31.8711,
94.0628

■ 53.7173, 39.6211,
95.2592

60.3639, 49.1000,
96.7385

68.0287, 60.4120,
98.5180

76.7609, 73.6529,
100.6135

86.6067, 88.9117,
103.0398

94.2554, 99.6822,
104.7156

Harmonies

Analogous

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



23.3313, 17.7668, 143.6845



36.1456, 17.7668, 91.9667



44.9961, 17.7668, 35.9304

Triad

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



36.1456, 17.7668, 91.9667



21.9708, 17.7668, 0.0000



4.0160, 17.7668, 40.9926

Complementary

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



36.1456, 17.7668, 91.9667



41.3787, 72.0353, 13.7310

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.



3.9020, 17.7668, 8.8584



36.1456, 17.7668, 91.9667



11.7539, 17.7668, 0.0000

Square

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



36.1456, 17.7668, 91.9667



34.8023, 17.7668, 0.2576



6.0759, 17.7668, 0.5753



6.4997, 17.7668, 98.7592

Rectangle

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



36.1456, 17.7668, 91.9667



45.7854, 17.7668, 13.4111



6.0759, 17.7668, 0.5753



3.7503, 17.7668, 26.8128

Sweetspot

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



36.1465, 17.7674, 91.9671



70.2875, 61.8875, 102.8487



24.0918, 19.2758, 92.8936



14.4227, 12.3229, 21.8684



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.



36.1465, 17.7674, 91.9671



33.8515, 15.3660, 95.7895



52.9039, 26.9300, 69.0834



17.3731, 17.2050, 21.7905



17.3364, 7.8799, 48.5808



1.7199, 0.7887, 4.5048

Inverse Universe

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



43.1639, 23.0340, 17.7935



43.0281, 21.9752, 11.3459



36.2144, 69.2840, 17.5105



17.4937, 17.3248, 19.1895



21.8833, 11.1691, 6.0941



2.0747, 1.0536, 0.8169

Previews

White Background



This preview shows how the XYZ color 36.1456, 17.7668, 91.9667 looks on a white background.

Color Contrast Check

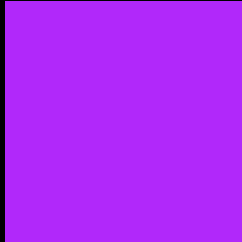
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1456, 17.7668, 91.9667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

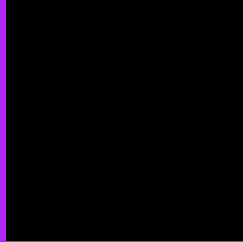
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1456, 17.7668, 91.9667

Background



This preview shows how black text looks on a background with the XYZ color 36.1456, 17.7668, 91.9667.



This preview shows how white text looks on a background with the XYZ color 36.1456, 17.7668,

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

36.1456, 17.7668, 91.9667

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

17.9790, 17.9379, 61.5463



Tritanopia

20.8564, 17.6205, 17.3408

Trichromacy



Original Color

36.1456, 17.7668, 91.9667



Protanomaly

21.4692, 14.1564, 85.6053



Deuteranomaly

19.1747, 13.8999, 71.4844



Tritanomaly

24.2905, 16.0273, 35.9958

Monochromacy



Original Color

36.1456, 17.7668, 91.9667



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

18.4741, 13.1788, 33.9178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1456, 17.7668, 91.9667 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(177, 40, 250)` looks like.

```
.text, #text, p{  
    color:rgb(177, 40, 250)  
}
```

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(177, 40, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 40, 250) }
```

Border

The CSS property to change the border of an element to XYZ 36.1456, 17.7668, 91.9667 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(177, 40, 250) }
```


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

```
.border{ border-color:rgb(177, 40, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 40, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 40, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 40, 250);  
box-shadow:4px 4px 4px 4px rgb(177, 40,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1456, 17.7668, 91.9667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 40, 250) }
```

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

```
.background{ background-color: rgb(177, 40,  
250) }
```

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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