

Converting Colors

XYZ(36.3032, 16.6299, 95.9042)

Have a look what the booklet for
XYZ(36.3032, 16.6299, 95.9042)
contains.

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Color

**XYZ(36.4101, 16.6850,
95.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	B200FF
RGB	178, 0, 255
RGB Percent	70%, 0%, 100%
CMY	0.3019, 1.0000, 0.0000
CMYK	0.30, 1.00, 0.00, 0.00
HSL	282°, 100%, 50%
HSV	282°, 100%, 100%
XYZ	36.4101, 16.6850, 95.9092
YIQ	82.2920, 24.2330, 117.0410

Conversions

Conversions Part 2

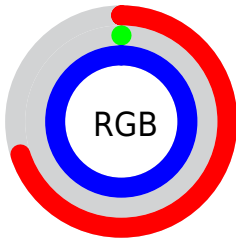
Format	Color
R_{YB}	178, 0, 255
Decimal	11665663
CIE _{Lab}	47.86, 87.87, -81.61
CIE _{LCh}	48, 119.925, 317.114
Yxy	16.6850, 0.2444, 0.1120
Android (android.graphics.Color)	4289855743 (0xFFB200FF)
YUV	82.2920, 85.1450, 83.9359
Hunter-Lab	40.8473, 87.6271, -110.6195

Details

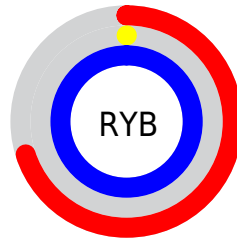
The XYZ color **36.4101, 16.6850, 95.9092** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **38.8209, 73.0979, 12.0634**, and the grayscale version is **7.9112, 8.3232, 9.0639**.

A 20% lighter version of the original color is **57.7263, 33.2274, 97.9788**, and **17.4142, 7.8131, 53.4136** is the 20% darker color. If you saturate the color by 10%, you get **36.4104, 16.6851, 95.9093**, and if you desaturate by 10%, it is **38.5863, 18.3391, 96.1138**.

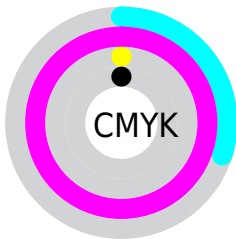
Distribution



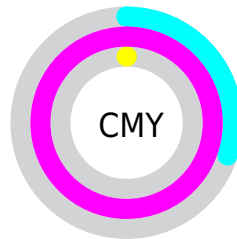
- Red (70%)
- Green (0%)
- Blue (100%)



- Red (70%)
- Yellow (0%)
- Blue (100%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4101, 16.6850, 95.9092 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 36.4101, 16.6850, 95.9092 by changing the saturation by 10% instead.

 36.4101, 16.6850,
95.9092


 36.4101, 16.6850,
95.9092


322.1495,
233.3505, 568.1301


 24.9227, 10.0102,
72.2909

 68.9843, 37.7834,
157.5265


 16.1479, 5.4057,
52.9080


 90.8018, 52.9757,
196.3625


 9.7204, 2.4872,
37.3421


 116.7934, 71.7760,
241.1082

 5.2748, 0.8702,
25.1746

 147.3243, 94.5686,
292.1820

 2.4458, 0.0000,
15.9870

 182.7601,
121.7380, 350.0026

 0.8680, 0.0000,
9.3607

 223.4660,

 0.0000, 0.0000,

153.6685, 414.9885

4.8772

269.8073,
190.7446, 487.5581

■ 0.0000, 0.0000,
2.1179

■ 0.0000, 0.0000,
0.6264

■ 36.4101, 16.6850,
95.9092

■ 36.4101, 16.6850,
95.9092

■ 36.4104, 16.6851,
95.9093

■ 38.5863, 18.3391,
96.1138

■ 41.3294, 20.9788,
96.4787

■ 44.7846, 24.8908,
97.0517

■ 49.0408, 30.2507,
97.8620

■ 54.1727, 37.2056,
98.9339

■ 60.2457, 45.8844,
100.2890

■ 67.3185, 56.4024,
101.9464

■ 75.4448, 68.8647,
103.9236

■ 84.6742, 83.3687,
106.2367

Harmonies

Analogous

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



22.7737, 16.6850, 154.4512



36.4101, 16.6850, 95.9092



45.8606, 16.6850, 34.8813

Triad

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



36.4101, 16.6850, 95.9092



20.9447, 16.6850, 0.0000



3.1524, 16.6850, 41.8337

Complementary

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



36.4101, 16.6850, 95.9092



38.8209, 73.0979, 12.0634

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.



3.0195, 16.6850, 7.8840



36.4101, 16.6850, 95.9092



10.5075, 16.6850, 0.0000

Square

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



36.4101, 16.6850, 95.9092



34.5603, 16.6850, 0.0000



5.0035, 16.6850, 0.0633



5.5216, 16.6850, 105.6092

Rectangle

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



36.4101, 16.6850, 95.9092



46.6001, 16.6850, 11.7623



5.0035, 16.6850, 0.0633



2.9011, 16.6850, 26.5554

Sweetspot

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



36.4110, 16.6855, 95.9093



67.3165, 56.3993, 101.9459



20.9743, 13.0685, 96.0247



13.7434, 11.0731, 21.6629



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.



36.4110, 16.6855, 95.9093



36.4104, 16.6851, 95.9093



52.6562, 25.8266, 62.0465



18.2274, 18.0090, 22.7653



19.1837, 8.8000, 50.1221



1.9786, 0.9139, 4.8854

Inverse Universe

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



42.5797, 21.7960, 8.9847



42.5795, 21.7958, 8.9837



36.2683, 71.7233, 14.5960



18.2351, 18.0774, 19.8552



22.3061, 11.4117, 4.9966



2.2178, 1.1295, 0.7285

Previews

White Background



This preview shows how the XYZ color 36.4101, 16.6850, 95.9092 looks on a white background.

Color Contrast Check

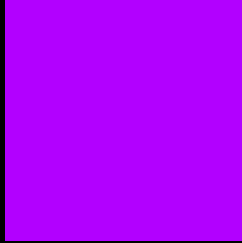
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4101, 16.6850, 95.9092 looks on a black 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

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

XYZ 36.4101, 16.6850, 95.9092

Background



This preview shows how black text looks on a background with the XYZ color 36.4101, 16.6850, 95.9092.



This preview shows how white text looks on a background with the XYZ color 36.4101, 16.6850,

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

36.4101, 16.6850, 95.9092

Protanopia

20.3924, 17.2521, 79.3460

Deuteranopia

17.1391, 17.2211, 58.2978



Tritanopia

20.3479, 16.9482, 16.1088

Trichromacy



Original Color

36.4101, 16.6850, 95.9092



Protanomaly

20.3104, 11.9812, 84.4612



Deuteranomaly

17.7472, 11.3764, 69.6671



Tritanomaly

23.1667, 13.9214, 35.1843

Monochromacy



Original Color

36.4101, 16.6850, 95.9092



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.6749, 8.2822, 27.6659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4101, 16.6850, 95.9092 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(178, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 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(178, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4101, 16.6850, 95.9092 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(178, 0, 255) }
```


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

```
.border{ border-color:rgb(178, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4101, 16.6850, 95.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 255) }
```

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

```
.background{ background-color: rgb(178, 0,  
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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