

Converting Colors

XYZ(36.9750, 17.1539, 95.9700)

Have a look what the booklet for
XYZ(36.9750, 17.1539, 95.9700)
contains.

XYZ(36.9921, 17.1626, 95.9708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.9921, 17.1626,
95.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	B40BFF
RGB	180, 11, 255
RGB Percent	71%, 4%, 100%
CMY	0.2941, 0.9569, 0.0000
CMYK	0.29, 0.96, 0.00, 0.00
HSL	282°, 100%, 52%
HSV	282°, 96%, 100%
XYZ	36.9921, 17.1626, 95.9708
YIQ	89.3470, 22.4000, 111.7120

Conversions

Conversions Part 2

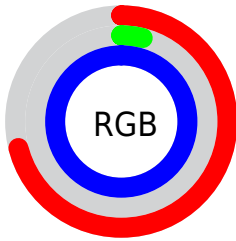
Format	Color
R _{YB}	180, 11, 255
Decimal	11799551
CIE _{Lab}	48.46, 87.19, -80.61
CIE _{LCh}	48, 118.749, 317.245
Y _{xy}	17.1626, 0.2464, 0.1143
Android (android.graphics.Color)	4289989631 (0xFFB40BFF)
YUV	89.3470, 81.6669, 79.5027
Hunter-Lab	41.4278, 86.8894, -108.3507

Details

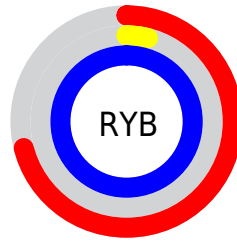
The XYZ color **36.9921, 17.1626, 95.9708** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **39.6581, 73.5226, 12.4178**, and the grayscale version is **9.3946, 9.8838, 10.7635**.

A 20% lighter version of the original color is **58.6707, 34.1027, 98.0979**, and **17.6858, 7.9532, 53.4263** is the 20% darker color. If you saturate the color by 10%, you get **36.0954, 16.5228, 95.8945**, and if you desaturate by 10%, it is **39.3962, 19.1837, 96.2341**.

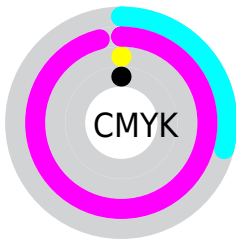
Distribution



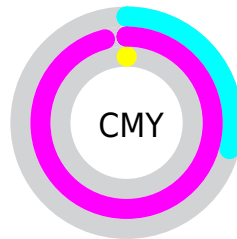
- Red (71%)
- Green (4%)
- Blue (100%)



- Red (71%)
- Yellow (4%)
- Blue (100%)



- Cyan (29%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (96%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9921, 17.1626, 95.9708 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 36.9921, 17.1626, 95.9708 by changing the saturation by 10% instead.


 36.9921, 17.1626,
95.9708


 36.9921, 17.1626,
95.9708


324.6324,
236.1077, 568.3318


 25.3750, 10.3505,
72.3419


 69.8745, 38.6051,
157.6122


 16.4869, 5.6320,
52.9495

 91.8706, 54.0043,
196.4618


 9.9624, 2.6226,
37.3750


 118.0571, 73.0347,
241.2220

 5.4361, 0.9380,
25.1999

 148.7993, 96.0806,
292.3115

 2.5427, 0.0000,
16.0057

 184.4625,
123.5265, 350.1486

 0.9168, 0.0000,
9.3738

 225.4123,

 0.0000, 0.0000,

155.7567, 415.1520

4.8856

272.0138,
193.1556, 487.7402

■ 0.0000, 0.0000,
2.1228

■ 0.0000, 0.0000,
0.6293

■ 36.9921, 17.1626,
95.9708

■ 36.9921, 17.1626,
95.9708

■ 36.0954, 16.5228,
95.8945

■ 39.3962, 19.1837,
96.2341

■ 42.4544, 22.3584,
96.6857

■ 46.2688, 26.8874,
97.3589

■ 50.9213, 32.9323,
98.2805

■ 56.4823, 40.6316,
99.4735

■ 63.0142, 50.1078,
100.9583

■ 70.5735, 61.4717,
102.7533

■ 79.2120, 74.8248,
104.8755

■ 88.9780, 90.2614,
107.3403

Harmonies

Analogous

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



23.3316, 17.1626, 154.1141



36.9921, 17.1626, 95.9708



46.3943, 17.1626, 35.2755

Triad

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



36.9921, 17.1626, 95.9708



21.3793, 17.1626, 0.0000



3.3818, 17.1626, 42.6627

Complementary

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



36.9921, 17.1626, 95.9708



39.6581, 73.5226, 12.4178

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.



3.2354, 17.1626, 8.3373



36.9921, 17.1626, 95.9708



10.8646, 17.1626, 0.0000

Square

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



36.9921, 17.1626, 95.9708



35.0278, 17.1626, 0.0000



5.2708, 17.1626, 0.2059



5.8354, 17.1626, 106.1921

Rectangle

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



36.9921, 17.1626, 95.9708



47.0986, 17.1626, 12.1053



5.2708, 17.1626, 0.2059



3.1181, 17.1626, 27.3048

Sweetspot

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



36.9930, 17.1632, 95.9708



67.9506, 57.4892, 102.1229



21.6999, 14.3148, 96.2271



13.8585, 11.2757, 21.6960



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.



36.9930, 17.1632, 95.9708



36.0954, 16.5228, 95.8945



53.0259, 26.1659, 63.4032



18.2175, 18.0038, 22.7649



19.0203, 8.7158, 50.1144



1.9637, 0.9062, 4.8847

Inverse Universe

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



43.0394, 22.1713, 10.8150



42.6287, 21.8155, 9.2430



36.6054, 71.8741, 15.6514



18.2392, 18.0790, 19.8770



22.3326, 11.4223, 5.1360



2.2208, 1.1307, 0.7442

Previews

White Background



This preview shows how the XYZ color 36.9921, 17.1626, 95.9708 looks on a white background.

Color Contrast Check

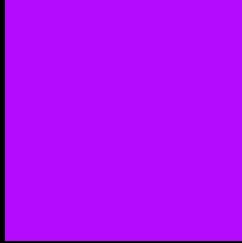
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9921, 17.1626, 95.9708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

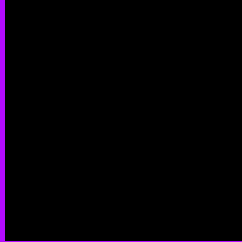
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 36.9921, 17.1626, 95.9708

Background



This preview shows how black text looks on a background with the XYZ color 36.9921, 17.1626, 95.9708.



This preview shows how white text looks on a background with the XYZ color 36.9921, 17.1626,

95.9708.

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

36.9921, 17.1626, 95.9708

Protanopia

20.7896, 17.5865, 80.8961

Deuteranopia

17.4959, 17.5533, 59.5927



Tritanopia

20.7815, 17.1656, 16.4053

Trichromacy



Original Color

36.9921, 17.1626, 95.9708



Protanomaly

20.7231, 12.5668, 85.3378



Deuteranomaly

18.3679, 12.1889, 71.1966



Tritanomaly

23.8100, 14.6000, 35.2814

Monochromacy



Original Color

36.9921, 17.1626, 95.9708



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.1196, 9.6450, 29.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9921, 17.1626, 95.9708 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(180, 11, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 11, 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(180, 11, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 11, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.9921, 17.1626, 95.9708 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(180, 11, 255) }
```


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

```
.border{ border-color:rgb(180, 11, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 11, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 11, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 11, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 11,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9921, 17.1626, 95.9708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 11, 255) }
```

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

```
.background{ background-color: rgb(180, 11,  
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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