

Converting Colors

XYZ(18.6543, 9.1345, 35.4667)

Have a look what the booklet for
XYZ(18.6543, 9.1345, 35.4667)
contains.

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Color

**XYZ(18.6502, 9.1259,
35.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	9210A3
RGB	146, 16, 163
RGB Percent	57%, 6%, 64%
CMY	0.4274, 0.9372, 0.3608
CMYK	0.10, 0.90, 0.00, 0.36
HSL	293°, 82%, 35%
HSV	293°, 90%, 64%
XYZ	18.6502, 9.1259, 35.4288
YIQ	71.6280, 30.2930, 73.2770

Conversions

Conversions Part 2

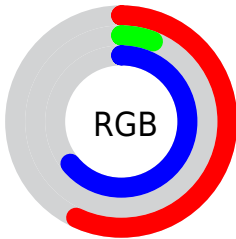
Format	Color
R _Y B	146, 16, 163
Decimal	9572515
CIE _{Lab}	36.23, 65.44, -47.52
CIE _{LCh}	36, 80.870, 324.015
Y _{xy}	9.1259, 0.2951, 0.1444
Android (android.graphics.Color)	4287762595 (0xFF9210A3)
Y _{UV}	71.6280, 45.0464, 65.2242
Hunter-Lab	30.2091, 57.3346, -48.3881

Details

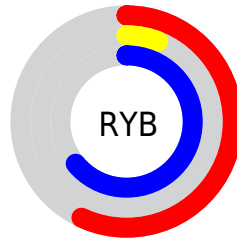
The XYZ color **18.6502, 9.1259, 35.4288** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.8182, 26.5553, 4.8879**, and the grayscale version is **6.0188, 6.3322, 6.8958**.

A 20% lighter version of the original color is **40.7813, 24.1384, 69.5276**, and **7.0309, 3.2994, 15.0181** is the 20% darker color. If you saturate the color by 10%, you get **18.1387, 8.5872, 35.3519**, and if you desaturate by 10%, it is **19.3279, 9.9794, 35.5580**.

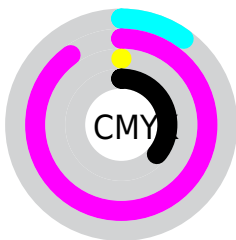
Distribution



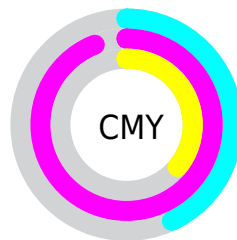
- Red (57%)
- Green (6%)
- Blue (64%)



- Red (57%)
- Yellow (6%)
- Blue (64%)



- Cyan (10%)
- Magenta (90%)
- Yellow (0%)
- Black (36%)




- Cyan (43%)
- Magenta (94%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6502, 9.1259, 35.4288 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 18.6502, 9.1259, 35.4288 by changing the saturation by 10% instead.


 18.6502, 9.1259,
35.4288


 18.6502, 9.1259,
35.4288


237.4862,
184.3143, 341.4186


 11.5203, 4.8234,
23.7072


 40.6636, 24.1379,
69.3086

 6.4878, 2.1440,
14.9064


 56.2779, 35.6161,
92.3039


 3.1874, 0.6892,
8.6078


 75.4510, 50.2551,
119.8941

 1.2536, 0.0000,
4.3930

 98.5482, 68.4392,
152.4978

 0.1481, 0.0000,
1.8433

 125.9350, 90.5527,
190.5336

 0.0000, 0.0000,
0.4563

 157.9767,

 0.0000, 0.0000,

116.9802, 234.4200

0.0000

195.0386,
148.1059, 284.5754

■ 18.6502, 9.1259,
35.4288

■ 18.6502, 9.1259,
35.4288

■ 18.1387, 8.5872,
35.3519

■ 19.3279, 9.9794,
35.5580

■ 20.2285, 11.2707,
35.7597

■ 21.3806, 13.0567,
36.0438

■ 22.8081, 15.3853,
36.4180

■ 24.5322, 18.2988,
36.8895

■ 26.5720, 21.8352,
37.4646

■ 28.9450, 26.0294,
38.1491

■ 31.6672, 30.9137,
38.9483

■ 34.7537, 36.5182,
39.8674

Harmonies

Analogous

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



13.0618, 9.1259, 59.9402



18.6502, 9.1259, 35.4288



21.6886, 9.1259, 12.9975

Triad

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



18.6502, 9.1259, 35.4288



9.6855, 9.1259, 0.0000



2.6305, 9.1259, 25.3003

Complementary

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



18.6502, 9.1259, 35.4288



13.8182, 26.5553, 4.8879

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.



2.3028, 9.1259, 7.3984



18.6502, 9.1259, 35.4288



5.3985, 9.1259, 0.0000

Square

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



18.6502, 9.1259, 35.4288



15.4076, 9.1259, 0.0000



3.0954, 9.1259, 1.0468



4.2590, 9.1259, 51.1578

Rectangle

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



18.6502, 9.1259, 35.4288



21.2725, 9.1259, 4.7608



3.0954, 9.1259, 1.0468



2.3980, 9.1259, 17.9329

Sweetspot

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



18.6506, 9.1263, 35.4290



48.6669, 40.9989, 67.4047



7.3729, 3.8510, 35.0052



10.6396, 8.6978, 15.0556



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.6506, 9.1263, 35.4290



32.3756, 15.3226, 63.3073



17.9253, 9.2116, 14.6477



7.2833, 7.1604, 8.9013



14.1216, 6.6864, 27.4761



0.3180, 0.1515, 0.5783

Inverse Universe

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



15.5643, 8.2672, 2.2147



27.2204, 14.0130, 2.1605



14.4924, 26.7772, 10.5965



7.1055, 7.0987, 7.5422



11.8385, 6.0915, 1.0743



0.2580, 0.1317, 0.0711

Previews

White Background



This preview shows how the XYZ color 18.6502, 9.1259, 35.4288 looks on a white background.

Color Contrast Check

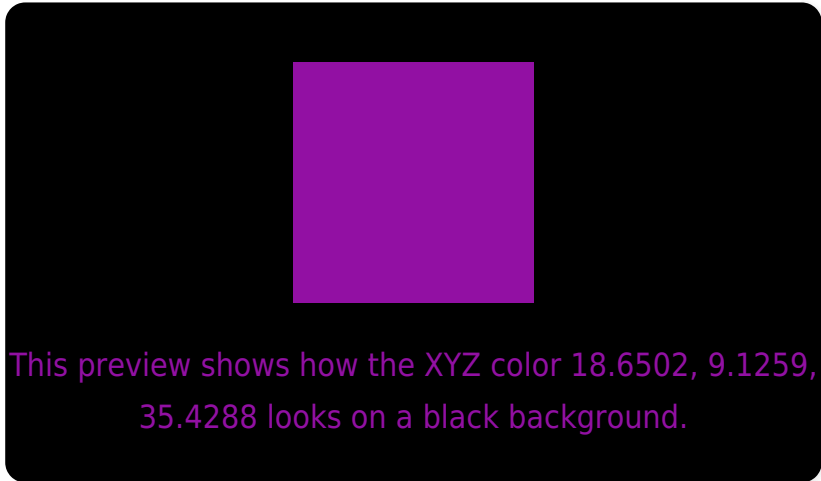
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

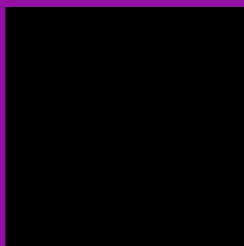
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6502, 9.1259, 35.4288

Background



This preview shows how black text looks on a background with the XYZ color 18.6502, 9.1259, 35.4288.



This preview shows how white text looks on a background with the XYZ color 18.6502, 9.1259,

35.4288.

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

18.6502, 9.1259, 35.4288

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.7184, 9.5262, 31.4635



Tritanopia

12.8273, 9.2911, 6.9116

Trichromacy



Original Color

18.6502, 9.1259, 35.4288

Protanomaly

10.4786, 6.8634, 39.8022

Deuteranomaly

10.4070, 7.2192, 32.7432

Tritanomaly

13.9964, 8.4358, 13.9873

Monochromacy



Original Color

18.6502, 9.1259, 35.4288

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.9234, 6.1286, 14.0772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6502, 9.1259, 35.4288 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(146, 16, 163)` looks like.

```
.text, #text, p{  
    color:rgb(146, 16, 163)  
}
```

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(146, 16, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 16, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.6502, 9.1259, 35.4288 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(146, 16, 163) }
```


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

```
.border{ border-color:rgb(146, 16, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 16, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 16, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 16, 163);  
box-shadow:4px 4px 4px 4px rgb(146, 16,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6502, 9.1259, 35.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 16, 163) }
```

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

```
.background{ background-color: rgb(146, 16,  
163) }
```

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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