

Converting Colors

XYZ(18.2238, 8.0506, 10.4214)

Have a look what the booklet for
XYZ(18.2238, 8.0506, 10.4214)
contains.

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Color

**XYZ(18.9016, 9.5260,
10.7400)**

Conversions

Conversions Part 1

Format	Color
Hex	AC005B
RGB	172, 0, 91
RGB Percent	67%, 0%, 36%
CMY	0.3255, 0.9999, 0.6431
CMYK	0.00, 1.00, 0.47, 0.33
HSL	328°, 100%, 34%
HSV	328°, 100%, 67%
XYZ	18.9016, 9.5260, 10.7400
YIQ	61.8020, 73.3010, 64.7650

Conversions

Conversions Part 2

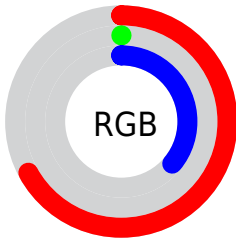
Format	Color
R_{YB}	172, 0, 91
Decimal	11272283
CIE Lab	36.98, 63.49, -1.07
CIE LCh	37, 63.504, 359.037
Yxy	9.5260, 0.4826, 0.2432
Android (android.graphics.Color)	4289462363 (0xFFAC005B)
YUV	61.8020, 14.3946, 96.6436
Hunter-Lab	30.8642, 55.3031, 0.9735

Details

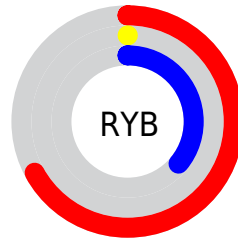
The XYZ color **18.9016, 9.5260, 10.7400** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **16.2390, 30.0997, 12.7438**, and the grayscale version is **4.5248, 4.7605, 5.1842**.

A 20% lighter version of the original color is **40.9551, 24.8162, 27.8307**, and **7.3032, 3.7080, 2.9156** is the 20% darker color. If you saturate the color by 10%, you get **18.9010, 9.5258, 10.7372**, and if you desaturate by 10%, it is **19.4742, 10.0814, 12.7493**.

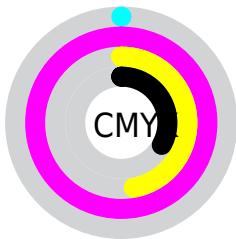
Distribution



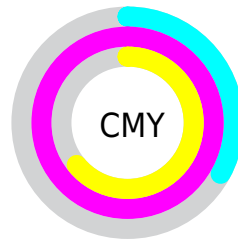
- Red (67%)
- Green (0%)
- Blue (36%)



- Red (67%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9016, 9.5260, 10.7400 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 18.9016, 9.5260, 10.7400 by changing the saturation by 10% instead.

■ 18.9016, 9.5260,
10.7400

■ 18.9016, 9.5260,
10.7400

238.8535,
187.2548, 206.5480

■ 11.7028, 5.0858,
5.7803

■ 41.0859, 24.9001,
27.8076

■ 6.6124, 2.2977,
2.6453

■ 56.8021, 36.6027,
40.7527

■ 3.2651, 0.7725,
0.9157

■ 76.0882, 51.4950,
57.1966

■ 1.2954, 0.0000,
0.0000

■ 99.3094, 69.9614,
77.5579

■ 0.1798, 0.0000,
0.0000

■ 126.8312, 92.3861,
102.2551

■ 0.0000, 0.0000,
0.0000

■ 159.0190,

119.1537, 131.7069

196.2379,
150.6484, 166.3317

■ 18.9016, 9.5260,
10.7400

■ 18.9016, 9.5260,
10.7400

■ 18.9010, 9.5258,
10.7372

■ 19.4742, 10.0814,
12.7493

■ 20.2621, 11.0051,
15.0222

■ 21.3367, 12.4383,
17.5878

■ 22.7313, 14.4459,
20.4624

■ 24.4743, 17.0830,
23.6605

■ 26.5908, 20.3982,
27.1953

■ 29.1034, 24.4354,
31.0789

■ 32.0330, 29.2346,
35.3228

■ 35.3986, 34.8329,
39.9377

Harmonies

Analogous

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



17.1990, 9.5260, 25.9580



18.9016, 9.5260, 10.7400



17.3944, 9.5260, 3.0166

Triad

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



18.9016, 9.5260, 10.7400



5.8604, 9.5260, 0.5756



5.6974, 9.5260, 42.1799

Complementary

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



18.9016, 9.5260, 10.7400



16.2390, 30.0997, 12.7438

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.



3.9255, 9.5260, 24.8145



18.9016, 9.5260, 10.7400



3.9987, 9.5260, 2.7486

Square

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



18.9016, 9.5260, 10.7400



9.1817, 9.5260, 0.0182



3.4069, 9.5260, 10.0129



8.9278, 9.5260, 50.5228

Rectangle

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



18.9016, 9.5260, 10.7400



14.9639, 9.5260, 1.1116



3.4069, 9.5260, 10.0129



4.9501, 9.5260, 36.7857

Sweetspot

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



18.9019, 9.5266, 10.7401



52.5264, 43.8888, 55.9751



10.7787, 4.6969, 39.3681



10.9961, 8.8612, 11.5275



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.9019, 9.5266, 10.7401



34.1768, 17.2362, 18.8862



17.0451, 8.7839, 0.9625



8.1756, 8.0835, 9.2355



14.0934, 7.0999, 8.1374



0.4194, 0.2085, 0.3705

Inverse Universe

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



18.9019, 9.5266, 10.7401



34.1768, 17.2362, 18.8862



21.6603, 32.2682, 41.2919



8.1756, 8.0835, 9.2355



14.0934, 7.0999, 8.1374



0.4194, 0.2085, 0.3705

Previews

White Background



This preview shows how the XYZ color 18.9016, 9.5260, 10.7400 looks on a white background.

Color Contrast Check

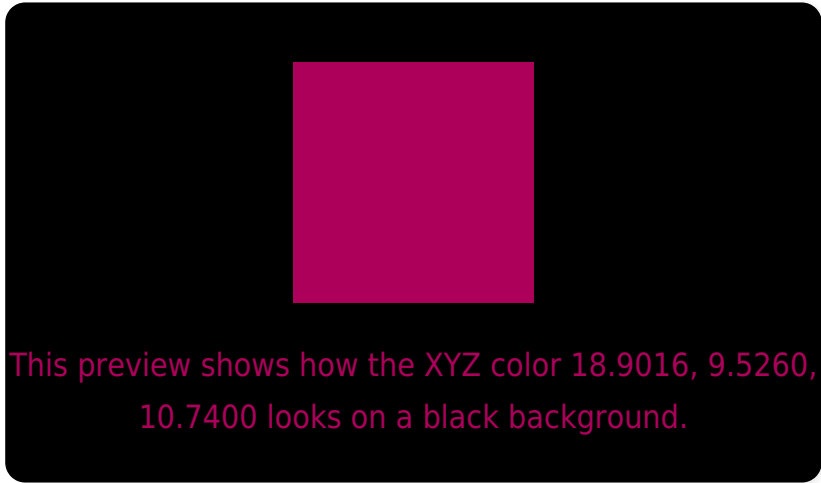
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9016, 9.5260, 10.7400

Background



This preview shows how black text looks on a background with the XYZ color 18.9016, 9.5260, 10.7400.



This preview shows how white text looks on a background with the XYZ color 18.9016, 9.5260,

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

18.9016, 9.5260, 10.7400

Protanopia

10.5669, 10.1546, 22.8758

Deuteranopia

10.3753, 10.2232, 9.8139



Tritanopia

17.3115, 9.8241, 2.6529

Trichromacy



Original Color

18.9016, 9.5260, 10.7400

Protanomaly

11.1221, 7.4688, 17.3784

Deuteranomaly

11.8389, 7.9325, 9.9240

Tritanomaly

17.5978, 9.4444, 4.6368

Monochromacy



Original Color

18.9016, 9.5260, 10.7400

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4076, 4.7569, 6.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9016, 9.5260, 10.7400 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(172, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 91)  
}
```

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(172, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 91) }
```

Border

The CSS property to change the border of an element to XYZ 18.9016, 9.5260, 10.7400 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(172, 0, 91) }
```


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

```
.border{ border-color:rgb(172, 0, 91) }
```

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

Here you see how a box with a 4 pixel rgb(172, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9016, 9.5260, 10.7400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 91) }
```

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

```
.background{ background-color: rgb(172, 0,  
91) }
```

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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