

Converting Colors

XYZ(18.5070, 9.5370, 1.0331)

Have a look what the booklet for
XYZ(18.5070, 9.5370, 1.0331)
contains.

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Color

**XYZ(18.3930, 9.4781,
1.0323)**

Conversions

Conversions Part 1

Format	Color
Hex	B20006
RGB	178, 0, 6
RGB Percent	70%, 0%, 2%
CMY	0.3020, 0.9999, 0.9765
CMYK	0.00, 1.00, 0.97, 0.30
HSL	358°, 100%, 35%
HSV	358°, 100%, 70%
XYZ	18.3930, 9.4781, 1.0323
YIQ	53.9060, 104.1620, 39.6020

Conversions

Conversions Part 2

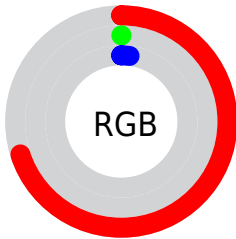
Format	Color
RYB	178, 0, 6
Decimal	11665414
CIELab	36.89, 61.24, 48.86
CIElCh	37, 78.339, 38.585
Yxy	9.4781, 0.6364, 0.3279
Android (android.graphics.Color)	4289855494 (0xFFB20006)
YUV	53.9060, -23.6177, 108.8304
Hunter-Lab	30.7865, 52.7660, 19.5625

Details

The XYZ color **18.3930, 9.4781, 1.0323** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.3699, 34.8205, 44.5338**, and the grayscale version is **3.5159, 3.6990, 4.0282**.

A 20% lighter version of the original color is **40.0798, 24.7356, 6.1520**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.3927, 9.4780, 1.0315**, and if you desaturate by 10%, it is **18.7302, 9.9547, 1.7555**.

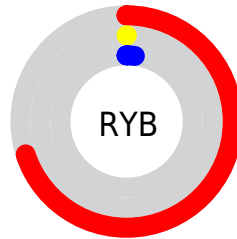
Distribution



Red (70%)

Green (0%)

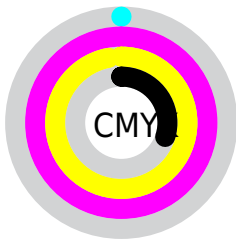
Blue (2%)



Red (70%)

Yellow (0%)

Blue (2%)

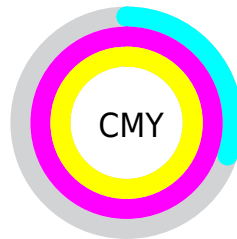


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (30%)



Cyan (30%)


Magenta (100%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3930, 9.4781, 1.0323 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 18.3930, 9.4781, 1.0323 by changing the saturation by 10% instead.


 18.3930, 9.4781,
1.0323


 18.3930, 9.4781,
1.0323


 236.0799,
186.9055, 104.8541


 11.3339, 5.0543,
0.0000


 40.2307, 24.8091,
6.1683


 6.3608, 2.2792,
0.0000


 55.7400, 36.4852,
11.3240


 3.1084, 0.7627,
0.0000

 74.7968, 51.3474,
18.7629

 1.2114, 0.0000,
0.0000

 97.7664, 69.7802,
28.9035

 0.1153, 0.0000,
0.0000


 125.0141, 92.1681,
42.1644


 0.0000, 0.0000,
0.0000


 156.9054,

118.8953, 58.9641


 193.8056,
150.3463, 79.7212


 18.3930, 9.4781,
1.0323


 18.3930, 9.4781,
1.0323

 18.3927, 9.4780,
1.0315

 18.7302, 9.9547,
1.7555

 19.3697, 10.8603,
3.1192

 20.4065, 12.3519,
5.2595

 21.8914, 14.5060,
8.2688

 23.8672, 17.3874,
12.2265

■ 26.3719, 21.0535,
17.2029

■ 29.4397, 25.5556,
23.2619

■ 33.1021, 30.9409,
30.4619

■ 37.3881, 37.2530,
38.8573

Harmonies

Analogous

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



21.6655, 9.4781, 6.8371



18.3930, 9.4781, 1.0323



12.8429, 9.4781, 0.0000

Triad

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



18.3930, 9.4781, 1.0323



2.8337, 9.4781, 3.3363



10.4673, 9.4781, 65.2869

Complementary

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



18.3930, 9.4781, 1.0323



23.3699, 34.8205, 44.5338

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.



6.0254, 9.4781, 60.1650



18.3930, 9.4781, 1.0323



2.5924, 9.4781, 14.8213

Square

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



18.3930, 9.4781, 1.0323



4.3692, 9.4781, 0.1653



3.5245, 9.4781, 37.3837



16.1309, 9.4781, 48.1988

Rectangle

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



18.3930, 9.4781, 1.0323



9.2400, 9.4781, 0.0000



3.5245, 9.4781, 37.3837



8.7812, 9.4781, 66.2835

Sweetspot

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



18.3932, 9.4787, 1.0324



53.0627, 45.8666, 41.5443



24.4200, 11.6612, 43.0830



11.2190, 9.3733, 8.1448



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.3932, 9.4787, 1.0324



33.3376, 17.1812, 1.7828



21.2373, 15.2193, 1.8191



8.5075, 8.5097, 8.9051



13.1650, 6.7836, 0.7629



0.4180, 0.2150, 0.0440

Inverse Universe

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



18.3932, 9.4787, 1.0324



33.3376, 17.1812, 1.7828



12.3957, 11.9336, 43.7694



8.5075, 8.5097, 8.9051



13.1650, 6.7836, 0.7629



0.4180, 0.2150, 0.0440

Previews

White Background



This preview shows how the XYZ color 18.3930, 9.4781, 1.0323 looks on a white background.

Color Contrast Check

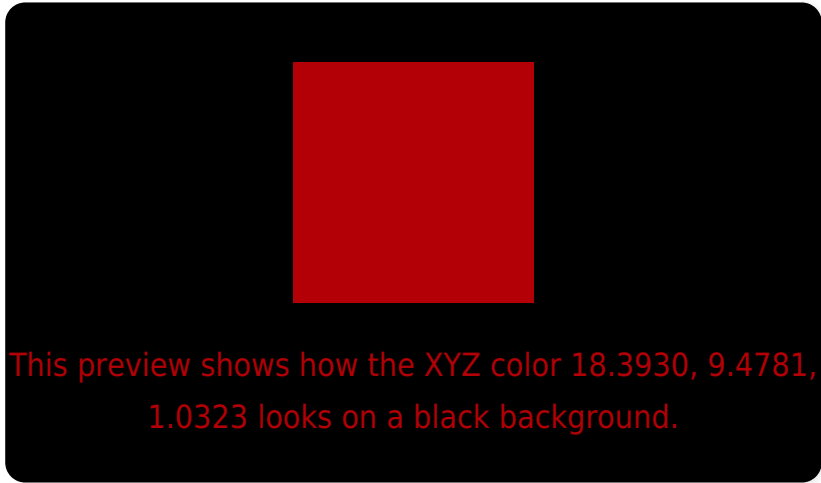
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3930, 9.4781, 1.0323

Background



This preview shows how black text looks on a background with the XYZ color 18.3930, 9.4781, 1.0323.



This preview shows how white text looks on a background with the XYZ color 18.3930, 9.4781,

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

18.3930, 9.4781, 1.0323

Protanopia

9.1879, 10.1450, 2.3381

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

18.3168, 9.7177, 0.9103

Trichromacy



Original Color

18.3930, 9.4781, 1.0323

Protanomaly

10.6176, 7.6339, 1.4442

Deuteranomaly

11.6467, 7.9611, 0.9802

Tritanomaly

18.2510, 9.5686, 0.9424

Monochromacy



Original Color

18.3930, 9.4781, 1.0323

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.0515, 3.9303, 2.1899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3930, 9.4781, 1.0323 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 6) }
```

Border

The CSS property to change the border of an element to XYZ 18.3930, 9.4781, 1.0323 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, 6) }
```


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

```
.border{ border-color:rgb(178, 0, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(178, 0, 6); box-shadow:4px  
4px 4px 4px rgb(178, 0, 6) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3930, 9.4781, 1.0323 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, 6) }
```

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

```
.background{ background-color: rgb(178, 0,  
6) }
```

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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