

Converting Colors

XYZ(19.4993, 10.0024, 3.1648)

Have a look what the booklet for
XYZ(19.4993, 10.0024, 3.1648)
contains.

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Color

**XYZ(19.4921, 9.9982,
3.1880)**

Conversions

Conversions Part 1

Format	Color
Hex	B5002B
RGB	181, 0, 43
RGB Percent	71%, 0%, 17%
CMY	0.2902, 0.9999, 0.8314
CMYK	0.00, 1.00, 0.76, 0.29
HSL	346°, 100%, 35%
HSV	346°, 100%, 71%
XYZ	19.4921, 9.9982, 3.1880
YIQ	59.0210, 94.0730, 51.7450

Conversions

Conversions Part 2

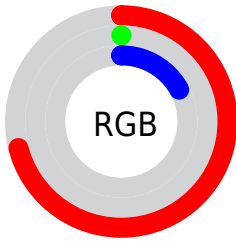
Format	Color
R_{YB}	181, 0, 43
Decimal	11862059
CIE _{Lab}	37.84, 62.79, 31.18
CIE _{LCh}	38, 70.107, 26.410
Yxy	9.9982, 0.5965, 0.3060
Android (android.graphics.Color)	4290052139 (0xFFB5002B)
YUV	59.0210, -7.8984, 106.9756
Hunter-Lab	31.6199, 54.7014, 16.1562

Details

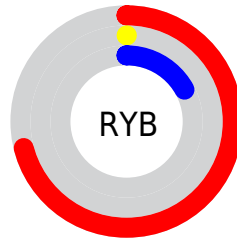
The XYZ color **19.4921, 9.9982, 3.1880** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.1140, 34.8836, 29.6777**, and the grayscale version is **4.1638, 4.3807, 4.7706**.

A 20% lighter version of the original color is **41.9383, 25.6750, 11.9779**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.4915, 9.9979, 3.1855**, and if you desaturate by 10%, it is **20.0080, 10.5541, 4.8278**.

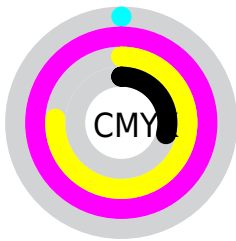
Distribution



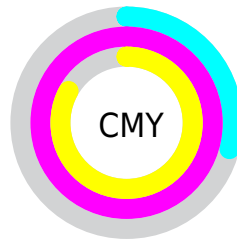
- Red (71%)
- Green (0%)
- Blue (17%)



- Red (71%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4921, 9.9982, 3.1880 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 19.4921, 9.9982, 3.1880 by changing the saturation by 10% instead.


 19.4921, 9.9982,
3.1880


 19.4921, 9.9982,
3.1880

242.0384,
190.6592, 138.7202


 12.1325, 5.3978,
1.1914


 42.0745, 25.7921,
12.0889


 6.9068, 2.4825,
0.0000


 58.0280, 37.7544,
19.8303


 3.4497, 0.8678,
0.0000

 77.5768, 52.9394,
30.3238

 1.3958, 0.0000,
0.0000

 101.0863, 71.7315,
43.9878

 0.2532, 0.0000,
0.0000

 128.9219, 94.5152,
61.2409

 0.0000, 0.0000,
0.0000

 161.4488,

121.6747, 82.5016

199.0326,
153.5946, 108.1885

■ 19.4921, 9.9982,
3.1880

■ 19.4921, 9.9982,
3.1880

■ 19.4915, 9.9979,
3.1855

■ 20.0080, 10.5541,
4.8278

■ 20.8186, 11.5495,
7.0270

■ 22.0069, 13.1397,
9.8478

■ 23.6160, 15.4005,
13.3353

■ 25.6826, 18.3965,
17.5302

■ 28.2395, 22.1845,
22.4699

■ 31.3164, 26.8159,
28.1888

■ 34.9404, 32.3374,
34.7195

■ 39.1369, 38.7927,
42.0923

Harmonies

Analogous

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



20.9509, 9.9982, 12.5050



19.4921, 9.9982, 3.1880



15.1086, 9.9982, 0.4781

Triad

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



19.4921, 9.9982, 3.1880



3.9826, 9.9982, 2.1479



8.9739, 9.9982, 58.7222

Complementary

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



19.4921, 9.9982, 3.1880



21.1140, 34.8836, 29.6777

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.



5.4901, 9.9982, 47.0716



19.4921, 9.9982, 3.1880



3.2385, 9.9982, 9.4138

Square

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



19.4921, 9.9982, 3.1880



6.1639, 9.9982, 0.1712



3.6881, 9.9982, 25.9559



13.8716, 9.9982, 51.2908

Rectangle

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



19.4921, 9.9982, 3.1880



11.6737, 9.9982, 0.0000



3.6881, 9.9982, 25.9559



7.6195, 9.9982, 56.7691

Sweetspot

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



19.4923, 9.9988, 3.1881



55.7772, 47.5572, 49.9182



18.4549, 8.5509, 44.3935



11.5411, 9.5021, 9.8406



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.



19.4923, 9.9988, 3.1881



34.8355, 17.8768, 5.3176



20.0050, 11.7216, 1.2091



8.5763, 8.5372, 9.2674



13.4603, 6.9017, 2.3181



0.4465, 0.2264, 0.1940

Inverse Universe

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



19.4923, 9.9988, 3.1881



34.8355, 17.8768, 5.3176



17.1110, 20.8766, 46.8435



8.5763, 8.5372, 9.2674



13.4603, 6.9017, 2.3181



0.4465, 0.2264, 0.1940

Previews

White Background



This preview shows how the XYZ color 19.4921, 9.9982, 3.1880 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



This preview shows how the XYZ color 19.4921, 9.9982, 3.1880 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 19.4921, 9.9982, 3.1880

Background



This preview shows how black text looks on a background with the XYZ color 19.4921, 9.9982, 3.1880.



This preview shows how white text looks on a background with the XYZ color 19.4921, 9.9982,

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

19.4921, 9.9982, 3.1880

Protanopia

9.9269, 10.6886, 6.5409

Deuteranopia

10.7391, 10.5655, 2.8398



Tritanopia

19.0935, 10.1578, 1.2415

Trichromacy



Original Color

19.4921, 9.9982, 3.1880

Protanomaly

11.3557, 8.0905, 4.8340

Deuteranomaly

12.3321, 8.3487, 2.6306

Tritanomaly

19.0869, 10.0006, 1.6834

Monochromacy



Original Color

19.4921, 9.9982, 3.1880

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9292, 4.5268, 3.8767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4921, 9.9982, 3.1880 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(181, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 43)  
}
```

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(181, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 19.4921, 9.9982, 3.1880 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(181, 0, 43) }
```


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

```
.border{ border-color:rgb(181, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4921, 9.9982, 3.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 43) }
```

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

```
.background{ background-color: rgb(181, 0,  
43) }
```

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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