

Converting Colors

XYZ(18.9284, 9.9888, 2.9379)

Have a look what the booklet for
XYZ(18.9284, 9.9888, 2.9379)
contains.

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Color

**XYZ(18.9284, 9.9888,
2.9379)**

Conversions

Conversions Part 1

Format	Color
Hex	B21028
RGB	178, 16, 40
RGB Percent	70%, 6%, 16%
CMY	0.3020, 0.9372, 0.8431
CMYK	0.00, 0.91, 0.78, 0.30
HSL	351°, 83%, 38%
HSV	351°, 91%, 70%
XYZ	18.9284, 9.9888, 2.9379
YIQ	67.1740, 88.8480, 41.8080

Conversions

Conversions Part 2

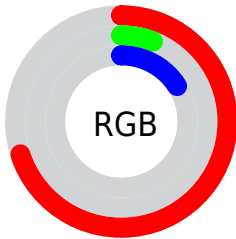
Format	Color
R_{YB}	178, 16, 40
Decimal	11669544
CIE _{Lab}	37.82, 59.99, 32.81
CIE _{LCh}	38, 68.379, 28.674
Yxy	9.9888, 0.5942, 0.3136
Android (android.graphics.Color)	4289859624 (0xFFB21028)
YUV	67.1740, -13.3968, 97.1944
Hunter-Lab	31.6051, 51.5955, 16.6121

Details

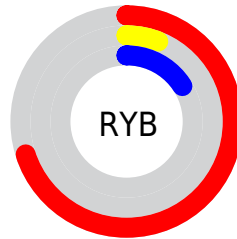
The XYZ color **18.9284, 9.9888, 2.9379** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **21.9691, 34.2848, 36.0420**, and the grayscale version is **5.3753, 5.6553, 6.1586**.

A 20% lighter version of the original color is **41.0856, 25.6973, 11.3890**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.5503, 9.5410, 1.8617**, and if you desaturate by 10%, it is **19.6206, 10.8764, 4.7005**.

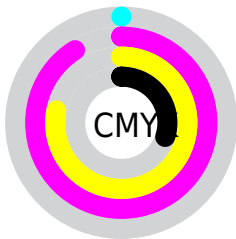
Distribution



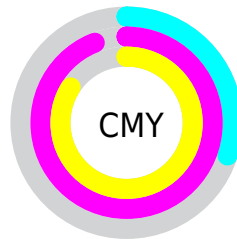
- Red (70%)
- Green (6%)
- Blue (16%)



- Red (70%)
- Yellow (6%)
- Blue (16%)



- Cyan (0%)
- Magenta (91%)
- Yellow (78%)
- Black (30%)





- Cyan (30%)
- Magenta (94%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9284, 9.9888, 2.9379 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 18.9284, 9.9888, 2.9379 by changing the saturation by 10% instead.


 18.9284, 9.9888,
2.9379


 18.9284, 9.9888,
2.9379


238.9989,
190.5921, 135.5657


 11.7223, 5.3915,
1.0630


 41.1309, 25.7744,
11.4748


 6.6257, 2.4788,
0.0000


 56.8579, 37.7316,
18.9739


 3.2734, 0.8660,
0.0000

 76.1560, 52.9108,
29.1849

 1.2999, 0.0000,
0.0000

 99.3904, 71.6965,
42.5261

 0.1832, 0.0000,
0.0000

 126.9266, 94.4731,
59.4163

 0.0000, 0.0000,
0.0000

 159.1298,

121.6250, 80.2740

196.3655,
153.5365, 105.5176

18.9284, 9.9888,
2.9379

18.9284, 9.9888,
2.9379

18.5503, 9.5410,
1.8617

19.6206, 10.8764,
4.7005

20.6872, 12.3339,
7.1396

22.1738, 14.4374,
10.3160

24.1188, 17.2507,
14.2836

26.5563, 20.8300,
19.0910

■ 29.5173, 25.2258,
24.7831

■ 33.0301, 30.4843,
31.4013

■ 37.1208, 36.6483,
38.9846

■ 41.8141, 43.7575,
47.5697

Harmonies

Analogous

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



20.6028, 9.9888, 11.4419



18.9284, 9.9888, 2.9379



14.5616, 9.9888, 0.4754

Triad

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



18.9284, 9.9888, 2.9379



3.9769, 9.9888, 2.5534



9.3012, 9.9888, 56.9671

Complementary

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



18.9284, 9.9888, 2.9379



21.9691, 34.2848, 36.0420

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.



5.7641, 9.9888, 47.0540



18.9284, 9.9888, 2.9379



3.3315, 9.9888, 10.3293

Square

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



18.9284, 9.9888, 2.9379



6.0087, 9.9888, 0.3648



3.8691, 9.9888, 26.9722



14.1188, 9.9888, 48.5464

Rectangle

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



18.9284, 9.9888, 2.9379



11.2400, 9.9888, 0.0000



3.8691, 9.9888, 26.9722



7.9390, 9.9888, 55.5858

Sweetspot

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



18.9286, 9.9894, 2.9380



55.6602, 48.9292, 48.9840



21.4915, 10.4266, 42.9989



11.8803, 10.1665, 9.9973



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.



18.9286, 9.9894, 2.9380



33.5887, 17.2817, 3.1052



20.8176, 14.2302, 2.1407



8.5459, 8.5251, 9.1073



13.2880, 6.8328, 1.4107



0.4340, 0.2214, 0.1282

Inverse Universe

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



18.9286, 9.9894, 2.9380



33.5887, 17.2817, 3.1052



15.1248, 17.0745, 44.6177



8.5459, 8.5251, 9.1073



13.2880, 6.8328, 1.4107



0.4340, 0.2214, 0.1282

Previews

White Background



This preview shows how the XYZ color 18.9284, 9.9888, 2.9379 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 18.9284, 9.9888, 2.9379 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 18.9284, 9.9888, 2.9379

Background



This preview shows how black text looks on a background with the XYZ color 18.9284, 9.9888, 2.9379.



This preview shows how white text looks on a background with the XYZ color 18.9284, 9.9888,

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

18.9284, 9.9888, 2.9379

Protanopia

9.7023, 10.4611, 5.7828

Deuteranopia

10.4890, 10.3217, 2.6019



Tritanopia

18.7482, 10.0793, 1.4877

Trichromacy



Original Color

18.9284, 9.9888, 2.9379

Protanomaly

11.3781, 8.5130, 4.4116

Deuteranomaly

12.2598, 8.7657, 2.4846

Tritanomaly

18.7857, 10.0355, 1.8666

Monochromacy



Original Color

18.9284, 9.9888, 2.9379

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.8589, 5.5351, 4.5251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9284, 9.9888, 2.9379 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, 16, 40)` looks like.

```
.text, #text, p{  
    color:rgb(178, 16, 40)  
}
```

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, 16, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 16, 40) }
```

Border

The CSS property to change the border of an element to XYZ 18.9284, 9.9888, 2.9379 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, 16, 40) }
```


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

```
.border{ border-color:rgb(178, 16, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 16, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 16, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 16, 40);  
box-shadow:4px 4px 4px 4px rgb(178, 16,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9284, 9.9888, 2.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 16, 40) }
```

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

```
.background{ background-color: rgb(178, 16,  
40) }
```

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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