

Converting Colors

XYZ(19.5292, 10.0402, 2.1567)

Have a look what the booklet for
XYZ(19.5292, 10.0402, 2.1567)
contains.

| | |
|--|----|
| XYZ(19.5257, 10.0388, 2.1369) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(19.5257, 10.0388,
2.1369)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B6001E |
| RGB | 182, 0, 30 |
| RGB Percent | 71%, 0%, 12% |
| CMY | 0.2863, 0.9999, 0.8823 |
| CMYK | 0.00, 1.00, 0.84, 0.29 |
| HSL | 350°, 100%, 36% |
| HSV | 350°, 100%, 71% |
| XYZ | 19.5257, 10.0388, 2.1369 |
| YIQ | 57.8380, 98.8420, 47.9140 |

Conversions

Conversions Part 2

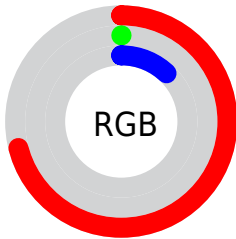
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 182, 0, 30 |
| Decimal | 11927582 |
| CIE Lab | 37.91, 62.65, 39.00 |
| CIE LCh | 38, 73.796, 31.907 |
| Yxy | 10.0388, 0.6159, 0.3167 |
| Android (android.graphics.Color) | 4290117662 (0xFFB6001E) |
| YUV | 57.8380, -13.7241, 108.8901 |
| Hunter-Lab | 31.6841, 54.5557, 18.1801 |

Details

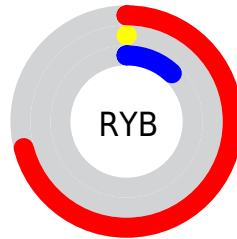
The XYZ color **19.5257, 10.0388, 2.1369** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.3983, 35.7238, 35.4342**, and the grayscale version is **4.0109, 4.2198, 4.5954**.

A 20% lighter version of the original color is **42.1447, 25.8382, 9.4226**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.5252, 10.0386, 2.1350**, and if you desaturate by 10%, it is **19.9889, 10.5762, 3.4911**.

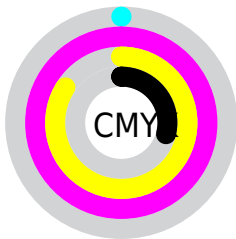
Distribution



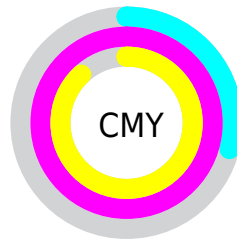
- Red (71%)
- Green (0%)
- Blue (12%)



- Red (71%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5257, 10.0388, 2.1369 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 19.5257, 10.0388, 2.1369 by changing the saturation by 10% instead.


 19.5257, 10.0388,
2.1369


 19.5257, 10.0388,
2.1369


242.2185,
190.9488, 124.4676


 12.1570, 5.4247,
0.6376


 42.1306, 25.8685,
9.4118


 6.9237, 2.4985,
0.0000


 58.0975, 37.8528,
16.0600


 3.4603, 0.8759,
0.0000

 77.6611, 53.0627,
25.2734

 1.4016, 0.0000,
0.0000

 101.1869, 71.8824,
37.4706

 0.2574, 0.0000,
0.0000


 129.0402, 94.6966,
53.0700


 0.0000, 0.0000,
0.0000


 161.5863,


121.8894, 72.4903


 199.1907,
153.8453, 96.1500


 19.5257, 10.0388,
2.1369


 19.5257, 10.0388,
2.1369


 19.5252, 10.0386,
2.1350

 19.9889, 10.5762,
3.4911

 20.7617, 11.5637,
5.4692

 21.9310, 13.1590,
8.1504

 23.5430, 15.4402,
11.5943

 25.6373, 18.4737,
15.8540

■ 28.2492, 22.3178,
20.9777

■ 31.4104, 27.0253,
27.0099

■ 35.1501, 32.6443,
33.9920

■ 39.4955, 39.2195,
41.9626

Harmonies

Analogous

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



21.8155, 10.0388, 10.0870



19.5257, 10.0388, 2.1369



14.4943, 10.0388, 0.0184

Triad

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



19.5257, 10.0388, 2.1369



3.5591, 10.0388, 2.6832



9.8473, 10.0388, 63.0567

Complementary

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



19.5257, 10.0388, 2.1369



22.3983, 35.7238, 35.4342

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.



5.8691, 10.0388, 53.7380



19.5257, 10.0388, 2.1369



3.0348, 10.0388, 11.8199

Square

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



19.5257, 10.0388, 2.1369



5.4983, 10.0388, 0.1901



3.7182, 10.0388, 31.2720



15.1977, 10.0388, 51.2721

Rectangle

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



19.5257, 10.0388, 2.1369



10.8794, 10.0388, 0.0000



3.7182, 10.0388, 31.2720



8.3182, 10.0388, 62.2723

Sweetspot

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



19.5259, 10.0394, 2.1370



56.6202, 48.5078, 48.3519



21.3313, 10.0218, 45.0656



11.9509, 9.8859, 9.6267



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.5259, 10.0394, 2.1370



35.3423, 18.1772, 3.5701



20.9435, 13.2494, 1.4545



9.0633, 9.0357, 9.6810



13.8056, 7.0960, 1.5970



0.5056, 0.2577, 0.1557

Inverse Universe

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



19.5259, 10.0394, 2.1370



35.3423, 18.1772, 3.5701



15.3231, 17.1361, 46.7555



9.0633, 9.0357, 9.6810



13.8056, 7.0960, 1.5970



0.5056, 0.2577, 0.1557

Previews

White Background



This preview shows how the XYZ color 19.5257, 10.0388, 2.1369 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 × Fail

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 19.5257, 10.0388, 2.1369

Background



This preview shows how black text looks on a background with the XYZ color 19.5257, 10.0388, 2.1369.



This preview shows how white text looks on a background with the XYZ color 19.5257, 10.0388,

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

19.5257, 10.0388, 2.1369

Protanopia

9.8401, 10.6925, 4.3415

Deuteranopia

10.6600, 10.5491, 1.7328



Tritanopia

19.2413, 10.1943, 0.9536

Trichromacy



Original Color

19.5257, 10.0388, 2.1369

Protanomaly

11.3243, 8.1133, 3.0670

Deuteranomaly

12.2826, 8.3483, 1.4943

Tritanomaly

19.2250, 10.0650, 1.2461

Monochromacy



Original Color

19.5257, 10.0388, 2.1369

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.7886, 4.4201, 3.2917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5257, 10.0388, 2.1369 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(182, 0, 30)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 30)  
}
```

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(182, 0, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 30) }
```

Border

The CSS property to change the border of an element to XYZ 19.5257, 10.0388, 2.1369 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(182, 0, 30) }
```


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

```
.border{ border-color:rgb(182, 0, 30) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(182, 0, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5257, 10.0388, 2.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 30) }
```

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

```
.background{ background-color: rgb(182, 0,  
30) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor