

Converting Colors

XYZ(19.7052, 10.2082, 0.9327)

Have a look what the booklet for
XYZ(19.7052, 10.2082, 0.9327)
contains.

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Color

**XYZ(19.7997, 10.2555,
0.9359)**

Conversions

Conversions Part 1

Format	Color
Hex	B80300
RGB	184, 3, 0
RGB Percent	72%, 1%, 0%
CMY	0.2784, 0.9881, 1.0000
CMYK	0.00, 0.98, 1.00, 0.28
HSL	1°, 100%, 36%
HSV	1°, 100%, 72%
XYZ	19.7997, 10.2555, 0.9359
YIQ	56.7770, 108.8390, 37.4390

Conversions

Conversions Part 2

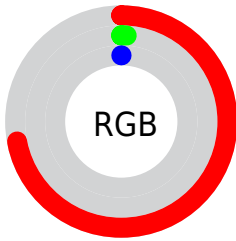
Format	Color
RYB	184, 3, 0
Decimal	12059392
CIELab	38.30, 62.36, 52.64
CIElCh	38, 81.609, 40.171
Yxy	10.2555, 0.6389, 0.3309
Android (android.graphics.Color)	4290249472 (0xFFB80300)
YUV	56.7770, -27.9911, 111.5746
Hunter-Lab	32.0242, 54.3193, 20.6842

Details

The XYZ color **19.7997, 10.2555, 0.9359** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.1678, 36.4931, 51.0643**, and the grayscale version is **3.8879, 4.0903, 4.4544**.

A 20% lighter version of the original color is **42.5851, 26.2549, 5.8408**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **19.7999, 10.2562, 0.9361**, and if you desaturate by 10%, it is **20.1501, 10.7765, 1.6076**.

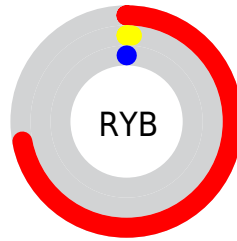
Distribution



Red (72%)

Green (1%)

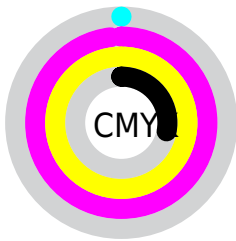
Blue (0%)



Red (72%)

Yellow (1%)

Blue (0%)

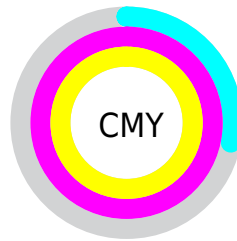


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7997, 10.2555, 0.9359 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 19.7997, 10.2555, 0.9359 by changing the saturation by 10% instead.


 19.7997, 10.2555,
0.9359


 19.7997, 10.2555,
0.9359


 243.6830,
192.4860, 102.7077


 12.3569, 5.5687,
0.0000


 42.5876, 26.2750,
5.8471


 7.0612, 2.5846,
0.0000


 58.6635, 38.3764,
10.8409


 3.5471, 0.9189,
0.0000

 78.3478, 53.7182,
18.0849

 1.4492, 0.0000,
0.0000

 102.0059, 72.6847,
27.9978

 0.2909, 0.0000,
0.0000


 130.0031, 95.6604,
40.9979


 0.0000, 0.0000,
0.0000


 162.7047,


123.0295, 57.5039


 200.4763,
155.1766, 77.9344


 19.7997, 10.2555,
0.9359


 19.7997, 10.2555,
0.9359


 19.7999, 10.2562,
0.9361

 20.1501, 10.7765,
1.6076

 20.8308, 11.7887,
2.9114

 21.9406, 13.4265,
5.0748

 23.5343, 15.7688,
8.2114

 25.6587, 18.8829,
12.4175

■ 28.3549, 22.8281,
17.7779

■ 31.6602, 27.6582,
24.3689

■ 35.6087, 33.4223,
32.2602

■ 40.2317, 40.1659,
41.5163

Harmonies

Analogous

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



23.6230, 10.2555, 6.7629



19.7997, 10.2555, 0.9359



13.6318, 10.2555, 0.0000

Triad

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



19.7997, 10.2555, 0.9359



2.9577, 10.2555, 3.9009



11.6612, 10.2555, 71.6284

Complementary

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



19.7997, 10.2555, 0.9359



25.1678, 36.4931, 51.0643

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.



6.6816, 10.2555, 67.3240



19.7997, 10.2555, 0.9359



2.7616, 10.2555, 17.1576

Square

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



19.7997, 10.2555, 0.9359



4.5385, 10.2555, 0.2566



3.8476, 10.2555, 42.5829



17.9156, 10.2555, 51.6462

Rectangle

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



19.7997, 10.2555, 0.9359



9.7172, 10.2555, 0.0000



3.8476, 10.2555, 42.5829



9.7779, 10.2555, 73.2239

Sweetspot

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



19.7999, 10.2562, 0.9361



57.0654, 49.6595, 43.5209



28.4186, 13.6509, 46.4840



11.7372, 9.8802, 8.2550



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.



19.7999, 10.2562, 0.9361



35.8764, 18.5587, 1.6913



23.5941, 17.8445, 2.2008



9.0162, 9.0353, 9.3757



13.6512, 7.0788, 0.6469



0.4853, 0.2576, 0.0242

Inverse Universe

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



25.1678, 36.4931, 51.0643



45.6054, 66.1169, 92.5628



12.4787, 11.1149, 46.8346



9.2536, 10.1845, 11.5575



17.3511, 25.1619, 35.1953



0.6157, 0.8951, 1.2421

Previews

White Background



This preview shows how the XYZ color 19.7997, 10.2555, 0.9359 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 19.7997, 10.2555, 0.9359

Background



This preview shows how black text looks on a background with the XYZ color 19.7997, 10.2555, 0.9359.



This preview shows how white text looks on a background with the XYZ color 19.7997, 10.2555,

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

19.7997, 10.2555, 0.9359

Protanopia

9.7881, 10.8377, 2.4401

Tritanopia

19.7289, 10.4682, 0.9807

Trichromacy



Original Color

19.7997, 10.2555, 0.9359

Protanomaly

11.3749, 8.2528, 1.4454

Tritanomaly

19.6599, 10.3302, 0.9577

Monochromacy



Original Color

19.7997, 10.2555, 0.9359

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.5735, 4.3341, 2.1592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7997, 10.2555, 0.9359 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(184, 3, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 3, 0)  
}
```

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(184, 3, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 3, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7997, 10.2555, 0.9359 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(184, 3, 0) }
```

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

```
.border{ border-color:rgb(184, 3, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 3, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 3, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(184, 3, 0); box-shadow:4px  
4px 4px 4px rgb(184, 3, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 19.7997, 10.2555, 0.9359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 3, 0) }
```

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

```
.background{ background-color: rgb(184, 3,  
0) }
```

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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