

Converting Colors

XYZ(19.9417, 8.4634, 0.0000)

Have a look what the booklet for
XYZ(19.9417, 8.4634, 0.0000)
contains.

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Color

**XYZ(21.2352, 10.9471,
0.9938)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0000
RGB	190, 0, 0
RGB Percent	75%, 0%, 0%
CMY	0.2549, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.25
HSL	0°, 100%, 37%
HSV	0°, 100%, 75%
XYZ	21.2352, 10.9471, 0.9938
YIQ	56.8100, 113.2400, 40.2800

Conversions

Conversions Part 2

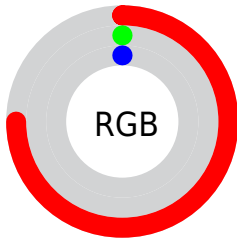
Format	Color
R_{YB}	190, 0, 0
Decimal	12451840
CIE Lab	39.49, 64.21, 53.88
CIE LCh	39, 83.819, 40.000
Yxy	10.9471, 0.6401, 0.3300
Android (android.graphics.Color)	4290641920 (0xFFBE0000)
YUV	56.8100, -28.0073, 116.8076
Hunter-Lab	33.0864, 56.6620, 21.3796

Details

The XYZ color **21.2352, 10.9471, 0.9938** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **27.7005, 40.5302, 55.0780**, and the grayscale version is **3.8916, 4.0943, 4.4587**.

A 20% lighter version of the original color is **44.8548, 27.5336, 6.0824**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.2354, 10.9478, 0.9939**, and if you desaturate by 10%, it is **21.5860, 11.4609, 1.6906**.

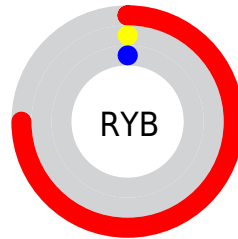
Distribution



Red (75%)

Green (0%)

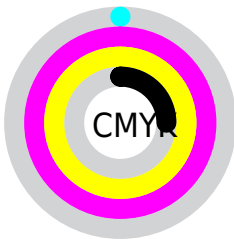
Blue (0%)



Red (75%)

Yellow (0%)

Blue (0%)

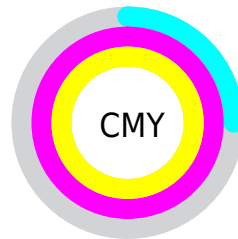


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2352, 10.9471, 0.9938 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 21.2352, 10.9471, 0.9938 by changing the saturation by 10% instead.


 21.2352, 10.9471,
0.9938


 21.2352, 10.9471,
0.9938


 251.2339,
197.3043, 104.0076


 13.4095, 6.0313,
0.0000


 44.9670, 27.5623,
6.0408


 7.7901, 2.8641,
0.0000


 61.6037, 40.0305,
11.1326


 4.0116, 1.0612,
0.0000

 81.9082, 55.7849,
18.4946

 1.7087, 0.0000,
0.0000

 106.2458, 75.2099,
28.5455


 0.4617, 0.0000,
0.0000


 134.9818, 98.6900,
41.7037


 0.0000, 0.0000,
0.0000


 168.4816,


126.6095, 58.3877


 207.1105,
159.3528, 79.0162


 21.2352, 10.9471,
0.9938


 21.2352, 10.9471,
0.9938


 21.2354, 10.9478,
0.9939

 21.5860, 11.4609,
1.6906

 22.2789, 12.4750,
3.0675

 23.4379, 14.1711,
5.3710

 25.1255, 16.6406,
8.7254

 27.3944, 19.9608,
13.2357

■ 30.2913, 24.1998,
18.9944

■ 33.8577, 29.4185,
26.0845

■ 38.1320, 35.6729,
34.5819

■ 43.1495, 43.0147,
44.5569

Harmonies

Analogous

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



25.3228, 10.9471, 7.2652



21.2352, 10.9471, 0.9938



14.6125, 10.9471, 0.0000

Triad

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



21.2352, 10.9471, 0.9938



3.1392, 10.9471, 4.0947



12.4223, 10.9471, 77.0445

Complementary

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



21.2352, 10.9471, 0.9938



27.7005, 40.5302, 55.0780

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.



7.0941, 10.9471, 72.2434



21.2352, 10.9471, 0.9938



2.9224, 10.9471, 18.2290

Square

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



21.2352, 10.9471, 0.9938



4.8385, 10.9471, 0.2712



4.0735, 10.9471, 45.5249



19.1389, 10.9471, 55.6268

Rectangle

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



21.2352, 10.9471, 0.9938



10.4049, 10.9471, 0.0000



4.0735, 10.9471, 45.5249



10.4049, 10.9471, 78.7077

Sweetspot

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



21.2354, 10.9478, 0.9939



61.0120, 52.8083, 46.5861



30.5293, 14.6648, 49.9364



12.7638, 10.6687, 8.9698



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.2354, 10.9478, 0.9939



38.4818, 19.8388, 1.8010



25.3273, 19.1316, 2.3579



9.5303, 9.5366, 9.9151



14.1205, 7.2798, 0.6609



0.5532, 0.2852, 0.0259

Inverse Universe

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



27.7005, 40.5302, 55.0780



50.1975, 73.4468, 99.8101



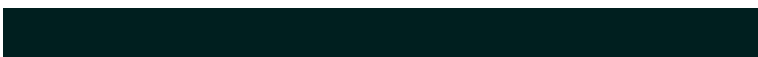
13.3865, 11.9022, 50.3067



9.8085, 10.8093, 12.2416



18.4195, 26.9507, 36.6241



0.7216, 1.0558, 1.4346

Previews

White Background



This preview shows how the XYZ color 21.2352, 10.9471, 0.9938 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 21.2352, 10.9471, 0.9938

Background



This preview shows how black text looks on a background with the XYZ color 21.2352, 10.9471, 0.9938.



This preview shows how white text looks on a background with the XYZ color 21.2352, 10.9471,

0.9938.

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

21.2352, 10.9471, 0.9938

Protanopia

10.5427, 11.6241, 2.6077

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

21.2026, 11.2514, 1.0542

Trichromacy



Original Color

21.2352, 10.9471, 0.9938

Protanomaly

12.2435, 8.7782, 1.5393

Deuteranomaly

13.3671, 9.1371, 1.0591

Tritanomaly

21.1059, 11.0582, 1.0220

Monochromacy



Original Color

21.2352, 10.9471, 0.9938

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.7750, 4.3924, 2.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2352, 10.9471, 0.9938 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(190, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 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(190, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.2352, 10.9471, 0.9938 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(190, 0, 0) }
```


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

```
.border{ border-color:rgb(190, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(190, 0, 0); box-shadow:4px  
4px 4px 4px rgb(190, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2352, 10.9471, 0.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 0) }
```

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

```
.background{ background-color: rgb(190, 0,  
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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