

Converting Colors

XYZ(21.1497, 9.8664, 0.2329)

Have a look what the booklet for
XYZ(21.1497, 9.8664, 0.2329)
contains.

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Color

**XYZ(21.9923, 11.3375,
1.0292)**

Conversions

Conversions Part 1

Format	Color
Hex	C10000
RGB	193, 0, 0
RGB Percent	76%, 0%, 0%
CMY	0.2431, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.24
HSL	0°, 100%, 38%
HSV	0°, 100%, 76%
XYZ	21.9923, 11.3375, 1.0292
YIQ	57.7070, 115.0280, 40.9160

Conversions

Conversions Part 2

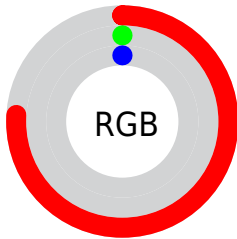
Format	Color
RYB	193, 0, 0
Decimal	12648448
CIELab	40.14, 64.96, 54.51
CIElCh	40, 84.804, 40.001
Yxy	11.3375, 0.6401, 0.3300
Android (android.graphics.Color)	4290838528 (0xFFC10000)
YUV	57.7070, -28.4496, 118.6520
Hunter-Lab	33.6712, 57.6624, 21.7576

Details

The XYZ color **21.9923, 11.3375, 1.0292** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **28.6862, 41.9715, 57.0409**, and the grayscale version is **4.0115, 4.2205, 4.5961**.

A 20% lighter version of the original color is **44.8548, 27.5336, 6.0824**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **21.9925, 11.3382, 1.0294**, and if you desaturate by 10%, it is **22.3508, 11.8626, 1.7413**.

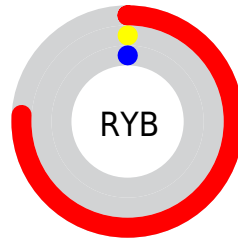
Distribution



Red (76%)

Green (0%)

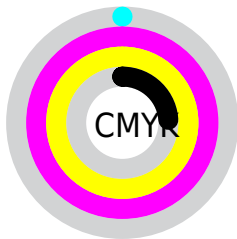
Blue (0%)



Red (76%)

Yellow (0%)

Blue (0%)

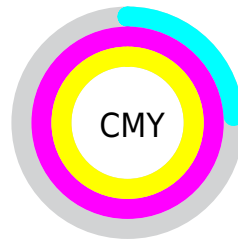


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9923, 11.3375, 1.0292 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 21.9923, 11.3375, 1.0292 by changing the saturation by 10% instead.


 21.9923, 11.3375,
1.0292


 21.9923, 11.3375,
1.0292


 255.1392,
199.9686, 104.7866


 13.9678, 6.2943,
0.0000


 46.2122, 28.2826,
6.1581


 8.1798, 3.0249,
0.0000


 63.1384, 40.9533,
11.3087

 4.2630, 1.1447,
0.0000

 83.7624, 56.9353,
18.7414

 1.8520, 0.0159,
0.0000

 108.4498, 76.6130,
28.8749


 0.5487, 0.0000,
0.0000


 137.5658,
100.3708, 42.1276


 0.0000, 0.0000,
0.0000


 171.4758,


128.5930, 58.9181


 210.5451,
161.6642, 79.6649


 21.9923, 11.3375,
1.0292


 21.9923, 11.3375,
1.0292


 21.9925, 11.3382,
1.0294

 22.3508, 11.8626,
1.7413

 23.0652, 12.9082,
3.1607

 24.2627, 14.6607,
5.5406

 26.0083, 17.2152,
9.0103

 28.3570, 20.6521,
13.6790

■ 31.3570, 25.0420,
19.6428

■ 35.0518, 30.4486,
26.9881

■ 39.4811, 36.9297,
35.7938

■ 44.6816, 44.5392,
46.1328

Harmonies

Analogous

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



26.2257, 11.3375, 7.5241



21.9923, 11.3375, 1.0292



15.1334, 11.3375, 0.0000

Triad

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



21.9923, 11.3375, 1.0292



3.2512, 11.3375, 4.2409



12.8654, 11.3375, 79.7914

Complementary

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



21.9923, 11.3375, 1.0292



28.6862, 41.9715, 57.0409

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.



7.3472, 11.3375, 74.8199



21.9923, 11.3375, 1.0292



3.0267, 11.3375, 18.8795

Square

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



21.9923, 11.3375, 1.0292



5.0111, 11.3375, 0.2971



4.2189, 11.3375, 47.1490



19.8215, 11.3375, 57.6095

Rectangle

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



21.9923, 11.3375, 1.0292



10.7758, 11.3375, 0.0000



4.2189, 11.3375, 47.1490



10.7761, 11.3375, 81.5142

Sweetspot

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



21.9925, 11.3382, 1.0294



62.4390, 54.0369, 47.6607



31.6176, 15.1876, 51.7166



12.7640, 10.6690, 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.



21.9925, 11.3382, 1.0294



39.3891, 20.3067, 1.8435



26.2207, 19.7945, 2.4387



10.0734, 10.0782, 10.4762



14.6279, 7.5415, 0.6847



0.6321, 0.3260, 0.0296

Inverse Universe

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



28.6862, 41.9715, 57.0409



51.3776, 75.1717, 102.1620



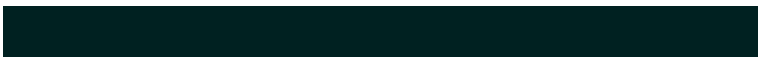
13.8541, 12.3074, 52.0969



10.3684, 11.4281, 12.9442



19.0800, 27.9165, 37.9394



0.8245, 1.2063, 1.6393

Previews

White Background



This preview shows how the XYZ color 21.9923, 11.3375, 1.0292 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 21.9923, 11.3375, 1.0292

Background



This preview shows how black text looks on a background with the XYZ color 21.9923, 11.3375, 1.0292.



This preview shows how white text looks on a background with the XYZ color 21.9923, 11.3375,

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

21.9923, 11.3375, 1.0292

Protanopia

10.8498, 12.0568, 2.6750

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

21.9545, 11.6391, 1.0894

Trichromacy



Original Color

21.9923, 11.3375, 1.0292

Protanomaly

12.6314, 9.0581, 1.5729

Deuteranomaly

13.7767, 9.4238, 1.0929

Tritanomaly

21.8579, 11.4458, 1.0572

Monochromacy



Original Color

21.9923, 11.3375, 1.0292

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

7.0589, 4.5825, 2.2627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9923, 11.3375, 1.0292 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(193, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.9923, 11.3375, 1.0292 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(193, 0, 0) }
```


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

```
.border{ border-color:rgb(193, 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(193, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(193, 0, 0); box-shadow:4px  
4px 4px 4px rgb(193, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9923, 11.3375, 1.0292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 0) }
```

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

```
.background{ background-color: rgb(193, 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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