

Converting Colors

XYZ(22.0284, 13.9474, 2.2961)

Have a look what the booklet for
XYZ(22.0284, 13.9474, 2.2961)
contains.

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Color

**XYZ(21.9299, 13.9272,
2.2914)**

Conversions

Conversions Part 1

Format	Color
Hex	B93F16
RGB	185, 63, 22
RGB Percent	73%, 25%, 9%
CMY	0.2745, 0.7529, 0.9137
CMYK	0.00, 0.66, 0.88, 0.27
HSL	15°, 79%, 41%
HSV	15°, 88%, 73%
XYZ	21.9299, 13.9272, 2.2914
YIQ	94.8040, 85.8730, 13.1130

Conversions

Conversions Part 2

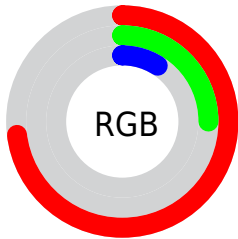
Format	Color
R_{YB}	185, 77, 22
Decimal	12140310
CIE Lab	44.13, 47.49, 48.45
CIE LCh	44, 67.848, 45.572
Yxy	13.9272, 0.5749, 0.3651
Android (android.graphics.Color)	4290330390 (0xFFB93F16)
YUV	94.8040, -35.8924, 79.1019
Hunter-Lab	37.3192, 39.5836, 22.4830

Details

The XYZ color **21.9299, 13.9272, 2.2914** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.0599, 23.6175, 49.4527**, and the grayscale version is **10.8997, 11.4673, 12.4879**.

A 20% lighter version of the original color is **46.0941, 32.9022, 9.8826**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **21.1317, 12.5321, 1.4057**, and if you desaturate by 10%, it is **23.0427, 15.7581, 3.8796**.

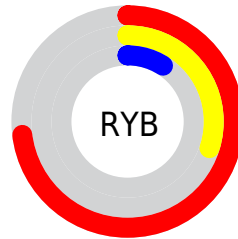
Distribution



Red (73%)

Green (25%)

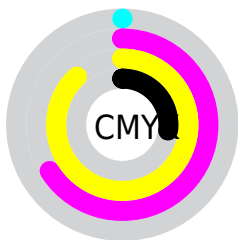
Blue (9%)



Red (73%)

Yellow (30%)

Blue (9%)

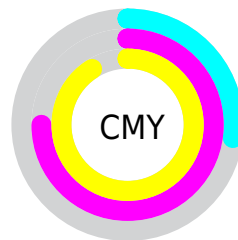


Cyan (0%)

Magenta (66%)

Yellow (88%)

Black (27%)



Cyan (27%)

Magenta (75%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9299, 13.9272, 2.2914 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 21.9299, 13.9272, 2.2914 by changing the saturation by 10% instead.

■ 21.9299, 13.9272,
2.2914

■ 21.9299, 13.9272,
2.2914

254.8192,
216.7775, 126.7491

■ 13.9217, 8.0700,
0.7264

■ 46.1098, 32.9598,
9.8232

■ 8.1476, 4.1398,
0.0000

■ 63.0123, 46.9040,
16.6460

■ 4.2421, 1.7521,
0.0000

■ 83.6102, 64.3128,
26.0650

■ 1.8400, 0.4570,
0.0000

■ 108.2689, 85.5704,
38.4985


■ 0.5416, 0.0000,
0.0000


■ 137.3539,
111.0612, 54.3651


■ 0.0000, 0.0000,
0.0000


■ 171.2303,


141.1698, 74.0834


 210.2636,
176.2804, 98.0719


 21.9299, 13.9272,
2.2914


 21.9299, 13.9272,
2.2914


 21.1317, 12.5321,
1.4057


 23.0427, 15.7581,
3.8796

 21.0057, 12.3108,
1.2691

 24.5123, 18.0608,
6.3319

 26.3701, 20.8678,
9.7522

 28.6433, 24.2078,
14.2294

 31.3566, 28.1073,
19.8419

■ 34.5327, 32.5908,
26.6610

■ 38.1924, 37.6815,
34.7519

■ 42.3555, 43.4012,
44.1752

■ 47.0406, 49.7707,
54.9875

Harmonies

Analogous

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



25.9896, 13.9272, 8.4938



21.9299, 13.9272, 2.2914



16.0004, 13.9272, 0.7254

Triad

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



21.9299, 13.9272, 2.2914



5.5061, 13.9272, 8.8897



16.2288, 13.9272, 65.7265

Complementary

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



21.9299, 13.9272, 2.2914



19.0599, 23.6175, 49.4527

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.



10.8123, 13.9272, 66.1361



21.9299, 13.9272, 2.2914



5.5360, 13.9272, 24.6433

Square

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



21.9299, 13.9272, 2.2914



7.1147, 13.9272, 2.4127



7.2121, 13.9272, 47.9118



22.1359, 13.9272, 47.0130

Rectangle

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



21.9299, 13.9272, 2.2914



12.2535, 13.9272, 0.5982



7.2121, 13.9272, 47.9118



14.2726, 13.9272, 68.2903

Sweetspot

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



21.9302, 13.9280, 2.2916



62.8895, 59.8273, 50.0260



25.3475, 12.9093, 27.6415



13.1055, 12.2640, 9.7988



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.



21.9302, 13.9280, 2.2916



37.4652, 21.7364, 2.2209



30.1634, 30.3944, 5.0360



9.1833, 9.3696, 9.4314



14.3533, 8.4829, 0.8809



0.5569, 0.4008, 0.0480

Inverse Universe

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



19.0599, 23.6175, 49.4527



31.8833, 38.6728, 87.9888



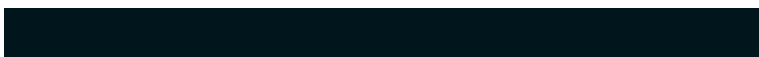
10.8515, 7.2008, 46.7166



9.0702, 9.8176, 11.4964



12.2563, 14.9722, 33.4970



0.4782, 0.6202, 1.1962

Previews

White Background



This preview shows how the XYZ color 21.9299, 13.9272, 2.2914 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



This preview shows how the XYZ color 21.9299, 13.9272, 2.2914 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 21.9299, 13.9272, 2.2914

Background



This preview shows how black text looks on a background with the XYZ color 21.9299, 13.9272, 2.2914.



This preview shows how white text looks on a background with the XYZ color 21.9299, 13.9272,

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

21.9299, 13.9272, 2.2914

Protanopia

12.7835, 14.0590, 3.4064

Deuteranopia

14.2300, 14.1009, 1.9717



Tritanopia

22.6832, 13.9148, 6.0477

Trichromacy



Original Color

21.9299, 13.9272, 2.2914

Protanomaly

15.0211, 13.1470, 2.8445

Deuteranomaly

16.4009, 13.5093, 1.9729

Tritanomaly

22.3786, 13.8761, 4.1882

Monochromacy



Original Color

21.9299, 13.9272, 2.2914

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.0387, 11.1931, 6.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9299, 13.9272, 2.2914 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(185, 63, 22)` looks like.

```
.text, #text, p{  
    color:rgb(185, 63, 22)  
}
```

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(185, 63, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 63, 22) }
```

Border

The CSS property to change the border of an element to XYZ 21.9299, 13.9272, 2.2914 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(185, 63, 22) }
```


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

```
.border{ border-color:rgb(185, 63, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 63, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 63, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 63, 22);  
box-shadow:4px 4px 4px 4px rgb(185, 63,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9299, 13.9272, 2.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 63, 22) }
```

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

```
.background{ background-color: rgb(185, 63,  
22) }
```

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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