

Converting Colors

XYZ(22.9464, 12.6639, 1.8968)

Have a look what the booklet for
XYZ(22.9464, 12.6639, 1.8968)
contains.

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Color

**XYZ(22.9464, 12.6639,
1.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	C22214
RGB	194, 34, 20
RGB Percent	76%, 13%, 8%
CMY	0.2392, 0.8666, 0.9216
CMYK	0.00, 0.82, 0.90, 0.24
HSL	5°, 81%, 42%
HSV	5°, 90%, 76%
XYZ	22.9464, 12.6639, 1.8968
YIQ	80.2440, 99.8540, 29.5660

Conversions

Conversions Part 2

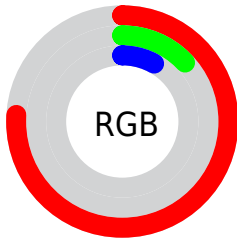
Format	Color
R_{YB}	194, 35, 20
Decimal	12722708
CIE Lab	42.25, 60.25, 48.59
CIE LCh	42, 77.399, 38.886
Yxy	12.6639, 0.6118, 0.3376
Android (android.graphics.Color)	4290912788 (0xFFC22214)
YUV	80.2440, -29.7003, 99.7640
Hunter-Lab	35.5864, 52.8222, 21.7502

Details

The XYZ color **22.9464, 12.6639, 1.8968** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.3441, 36.6800, 56.7299**, and the grayscale version is **7.7165, 8.1184, 8.8409**.

A 20% lighter version of the original color is **46.4360, 30.0310, 8.6593**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.4392, 11.8464, 1.1212**, and if you desaturate by 10%, it is **23.8423, 14.0613, 3.4120**.

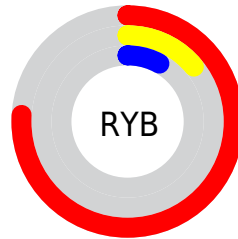
Distribution



Red (76%)

Green (13%)

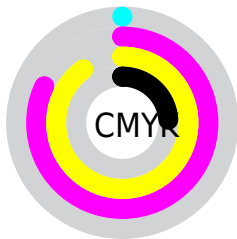
Blue (8%)



Red (76%)

Yellow (14%)

Blue (8%)

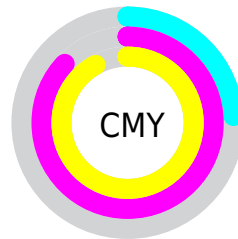


Cyan (0%)

Magenta (82%)

Yellow (90%)

Black (24%)



Cyan (24%)


Magenta (87%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9464, 12.6639, 1.8968 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 22.9464, 12.6639, 1.8968 by changing the saturation by 10% instead.


 22.9464, 12.6639,
1.8968


 22.9464, 12.6639,
1.8968


259.9901,
208.7523, 120.7531


 14.6744, 7.1975,
0.4907


 47.7726, 30.6986,
8.7567


 8.6760, 3.5859,
0.0000


 65.0575, 44.0358,
15.1209

 4.5859, 1.4447,
0.0000

 86.0775, 60.7653,
23.9992

 2.0386, 0.2494,
0.0000

 111.1978, 81.2716,
35.8104


 0.6555, 0.0000,
0.0000


 140.7839,
105.9390, 50.9728


 0.0000, 0.0000,
0.0000


 175.2010,


135.1520, 69.9050


 214.8146,
169.2950, 93.0256


 22.9464, 12.6639,
1.8968


 22.9464, 12.6639,
1.8968


 22.4392, 11.8464,
1.1212


 23.8423, 14.0613,
3.4120

 22.4277, 11.8288,
1.1011

 25.2030, 16.1246,
5.8947

 27.0814, 18.9243,
9.4710

 29.5226, 22.5212,
14.2477

 32.5670, 26.9698,
20.3191

■ 36.2511, 32.3197,
27.7698

■ 40.6088, 38.6168,
36.6775

■ 45.6713, 45.9039,
47.1139

■ 51.4680, 54.2210,
59.1462

Harmonies

Analogous

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



26.7236, 12.6639, 9.4276



22.9464, 12.6639, 1.8968



16.5081, 12.6639, 0.0452

Triad

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



22.9464, 12.6639, 1.8968



4.3526, 12.6639, 5.1981



13.8392, 12.6639, 75.3520

Complementary

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



22.9464, 12.6639, 1.8968



26.3441, 36.6800, 56.7299

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.



8.4557, 12.6639, 70.0295



22.9464, 12.6639, 1.8968



4.0485, 12.6639, 19.3224

Square

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



22.9464, 12.6639, 1.8968



6.3139, 12.6639, 0.8810



5.2849, 12.6639, 45.0443



20.4639, 12.6639, 56.4649

Rectangle

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



22.9464, 12.6639, 1.8968



12.2544, 12.6639, 0.0000



5.2849, 12.6639, 45.0443



11.8215, 12.6639, 76.5264

Sweetspot

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



22.9467, 12.6647, 1.8970



67.3556, 60.9834, 53.7271



30.9829, 15.3635, 45.8051



14.1901, 12.5437, 10.6260



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.9467, 12.6647, 1.8970



40.5641, 21.2917, 1.9717



28.9235, 24.6184, 3.8893



10.1370, 10.2053, 10.4974



14.7707, 7.8271, 0.7323



0.6610, 0.3838, 0.0392

Inverse Universe

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



26.3441, 36.6800, 56.7299



46.5315, 64.8356, 102.5318



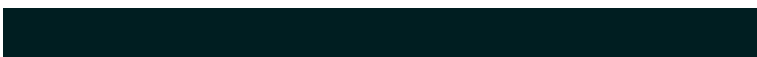
14.1544, 12.3005, 52.6666



10.2969, 11.2851, 12.9204



16.9467, 23.6500, 37.2283



0.7531, 1.0637, 1.6155

Previews

White Background



This preview shows how the XYZ color 22.9464, 12.6639, 1.8968 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 22.9464, 12.6639, 1.8968

Background



This preview shows how black text looks on a background with the XYZ color 22.9464, 12.6639, 1.8968.



This preview shows how white text looks on a background with the XYZ color 22.9464, 12.6639,

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

22.9464, 12.6639, 1.8968

Protanopia

11.7671, 12.9394, 3.4675

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

23.0393, 12.6560, 2.5249

Trichromacy



Original Color

22.9464, 12.6639, 1.8968

Protanomaly

14.0435, 11.1523, 2.6407

Deuteranomaly

15.1834, 11.3597, 1.5934

Tritanomaly

22.9898, 12.6362, 2.2642

Monochromacy



Original Color

22.9464, 12.6639, 1.8968

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.4264, 7.9254, 4.9832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9464, 12.6639, 1.8968 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(194, 34, 20)` looks like.

```
.text, #text, p{  
    color:rgb(194, 34, 20)  
}
```

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(194, 34, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 34, 20) }
```

Border

The CSS property to change the border of an element to XYZ 22.9464, 12.6639, 1.8968 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(194, 34, 20) }
```


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

```
.border{ border-color:rgb(194, 34, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 34, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 34, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 34, 20);  
box-shadow:4px 4px 4px 4px rgb(194, 34,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9464, 12.6639, 1.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 34, 20) }
```

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

```
.background{ background-color: rgb(194, 34,  
20) }
```

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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