

Converting Colors

XYZ(42.1150, 23.0045, 2.2389)

Have a look what the booklet for
XYZ(42.1150, 23.0045, 2.2389)
contains.

XYZ(42.1094, 22.9899, 2.2468)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.1094, 22.9899,
2.2468)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2B01
RGB	255, 43, 1
RGB Percent	100%, 17%, 0%
CMY	0.0000, 0.8313, 0.9961
CMYK	0.00, 0.83, 1.00, 0.00
HSL	10°, 100%, 50%
HSV	10°, 100%, 100%
XYZ	42.1094, 22.9899, 2.2468
YIQ	101.6000, 139.8340, 31.8820

Conversions

Conversions Part 2

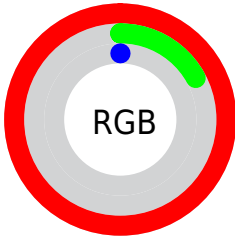
Format	Color
RYB	255, 51, 1
Decimal	16722689
CIELab	55.06, 74.87, 67.66
CIElCh	55, 100.913, 42.107
Yxy	22.9899, 0.6253, 0.3414
Android (android.graphics.Color)	4294912769 (0xFFFF2B01)
YUV	101.6000, -49.5958, 134.5318
Hunter-Lab	47.9478, 72.8562, 30.7852

Details

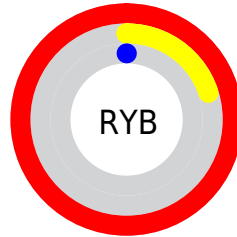
The XYZ color **42.1094, 22.9899, 2.2468** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **41.8518, 54.8052, 102.9798**, and the grayscale version is **12.6272, 13.2848, 14.4671**.

A 20% lighter version of the original color is **47.7667, 32.9658, 8.2603**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.0743, 22.9289, 2.2082**, and if you desaturate by 10%, it is **43.2824, 25.0377, 3.5585**.

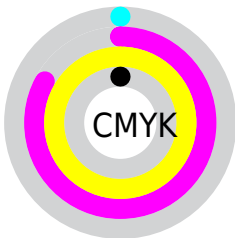
Distribution



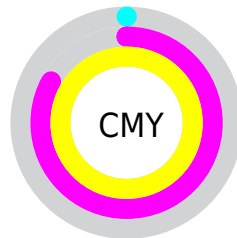
- Red (100%)
- Green (17%)
- Blue (0%)



- Red (100%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (83%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1094, 22.9899, 2.2468 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 42.1094, 22.9899, 2.2468 by changing the saturation by 10% instead.


 42.1094, 22.9899,
2.2468


 42.1094, 22.9899,
2.2468


345.9202,
267.6731, 126.0985


 29.3784, 14.5860,
0.7012


 77.6293, 48.3767,
9.7052


 19.5130, 8.5294,
0.0000


 101.1490, 66.1285,
16.4782


 12.1478, 4.4355,
0.0000


 128.9955, 87.7651,
25.8386

 6.9173, 1.9200,
0.0000

 161.5344,
113.6708, 38.2047

 3.4563, 0.5604,
0.0000

 199.1310,
144.2300, 53.9953

 1.3994, 0.0000,
0.0000

 242.1506,


 0.2558, 0.0000,


179.8273, 73.6287


0.0000


 290.9585,
220.8468, 97.5236


 0.0000, 0.0000,
0.0000


 42.1094, 22.9899,
2.2468


 42.1094, 22.9899,
2.2468


 42.0743, 22.9289,
2.2082

 43.2824, 25.0377,
3.5585

 45.1543, 28.0972,
6.2925

 47.8408, 32.2902,
10.8256

 51.4264, 37.7159,
17.4019

 55.9845, 44.4623,
26.2271

61.5808, 52.6094,
37.4816

68.2750, 62.2304,
51.3276

76.1223, 73.3936,
67.9130

85.1741, 86.1630,
87.3748

Harmonies

Analogous

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



50.5006, 22.9899, 14.1714



42.1094, 22.9899, 2.2468



29.1811, 22.9899, 0.0000

Triad

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



42.1094, 22.9899, 2.2468



7.0690, 22.9899, 10.4317



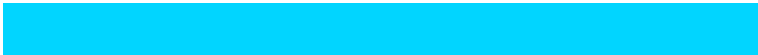
26.7011, 22.9899, 147.2859

Complementary

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



42.1094, 22.9899, 2.2468



41.8518, 54.8052, 102.9798

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.



15.8647, 22.9899, 142.0815



42.1094, 22.9899, 2.2468



6.8064, 22.9899, 40.3747

Square

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



42.1094, 22.9899, 2.2468



10.3335, 22.9899, 1.4728



9.4257, 22.9899, 93.6254



39.7669, 22.9899, 104.6717

Rectangle

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



42.1094, 22.9899, 2.2468



21.0668, 22.9899, 0.0000



9.4257, 22.9899, 93.6254



22.6548, 22.9899, 151.6762

Sweetspot

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



42.1099, 22.9913, 2.2471



67.9909, 61.8239, 50.7329



53.7620, 26.2862, 67.8175



13.9233, 12.3306, 9.5493



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.



42.1099, 22.9913, 2.2471



42.0745, 22.9291, 2.2082



54.8997, 48.5710, 6.5104



18.2521, 18.4724, 18.7479



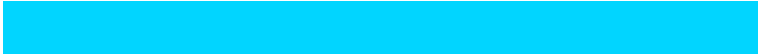
22.0556, 12.1225, 1.1774



2.2127, 1.3107, 0.1364

Inverse Universe

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



41.8518, 54.8052, 102.9798



41.7978, 54.7157, 102.9659



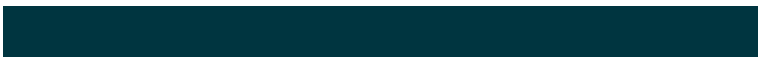
21.7103, 14.5221, 96.2660



18.2840, 19.9397, 23.1350



21.9351, 28.7797, 53.8335



2.2007, 2.9322, 5.2632

Previews

White Background



This preview shows how the XYZ color 42.1094, 22.9899, 2.2468 looks on a white 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

Black Background



This preview shows how the XYZ color 42.1094, 22.9899, 2.2468 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1094, 22.9899, 2.2468

Background



This preview shows how black text looks on a background with the XYZ color 42.1094, 22.9899, 2.2468.



This preview shows how white text looks on a background with the XYZ color 42.1094, 22.9899,

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

42.1094, 22.9899, 2.2468

Protanopia

21.0293, 23.2635, 4.6783

Deuteranopia

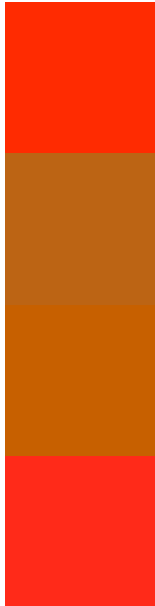
23.3972, 23.1372, 3.2328



Tritanopia

42.3991, 22.9924, 4.1227

Trichromacy



Original Color

42.1094, 22.9899, 2.2468

Protanomaly

25.4225, 19.8562, 3.1545

Deuteranomaly

27.7361, 20.5079, 2.4966

Tritanomaly

42.2434, 22.9861, 3.1300

Monochromacy



Original Color

42.1094, 22.9899, 2.2468

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

17.9971, 13.5356, 6.6651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1094, 22.9899, 2.2468 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(255, 43, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 1)  
}
```

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(255, 43, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 1) }
```

Border

The CSS property to change the border of an element to XYZ 42.1094, 22.9899, 2.2468 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(255, 43, 1) }
```


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

```
.border{ border-color:rgb(255, 43, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 43, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.1094, 22.9899, 2.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 1) }
```

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

```
.background{ background-color: rgb(255, 43,  
1) }
```

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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