

Converting Colors

XYZ(41.9002, 23.2424, 2.2778)

Have a look what the booklet for
XYZ(41.9002, 23.2424, 2.2778)
contains.

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Color

**XYZ(41.9714, 23.2675,
2.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	FE3100
RGB	254, 49, 0
RGB Percent	100%, 19%, 0%
CMY	0.0039, 0.8078, 1.0000
CMYK	0.00, 0.81, 1.00, 0.00
HSL	12°, 100%, 50%
HSV	12°, 100%, 100%
XYZ	41.9714, 23.2675, 2.2789
YIQ	104.7090, 137.9090, 28.2210

Conversions

Conversions Part 2

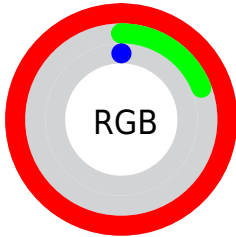
Format	Color
R_{YB}	254, 61, 0
Decimal	16658688
CIE _{Lab}	55.35, 73.22, 67.89
CIE _{LCh}	55, 99.856, 42.838
Yxy	23.2675, 0.6216, 0.3446
Android (android.graphics.Color)	4294848768 (0xFFFE3100)
YUV	104.7090, -51.6215, 130.9282
Hunter-Lab	48.2364, 70.9025, 30.9644

Details

The XYZ color **41.9714, 23.2675, 2.2789** 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 **39.7159, 50.8090, 101.4791**, and the grayscale version is **13.4600, 14.1610, 15.4213**.

A 20% lighter version of the original color is **48.2130, 33.8584, 8.4091**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **41.9718, 23.2689, 2.2792**, and if you desaturate by 10%, it is **43.2127, 25.4628, 3.5798**.

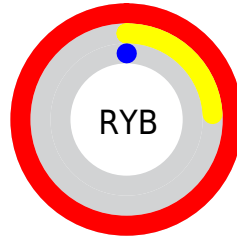
Distribution



Red (100%)

Green (19%)

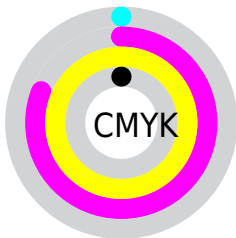
Blue (0%)



Red (100%)

Yellow (24%)

Blue (0%)

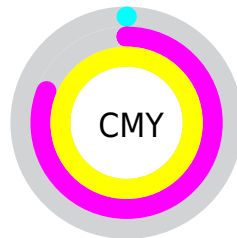


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9714, 23.2675, 2.2789 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 41.9714, 23.2675, 2.2789 by changing the saturation by 10% instead.


 41.9714, 23.2675,
2.2789


 41.9714, 23.2675,
2.2789


345.3580,
269.0960, 126.5674

 29.2699, 14.7912,
0.7194


 77.4218, 48.8322,
9.7902


 19.4304, 8.6729,
0.0000


 100.9014, 66.6893,
16.5991

 12.0875, 4.5285,
0.0000


 128.7044, 88.4422,
26.0017

 6.8759, 1.9734,
0.0000

 161.1961,
114.4751, 38.4164

 3.4303, 0.5919,
0.0000

 198.7420,
145.1726, 54.2618

 1.3852, 0.0000,
0.0000

 241.7074,


 0.2456, 0.0000,


180.9190, 73.9564


0.0000


 290.4576,
222.0986, 97.9187


 0.0000, 0.0000,
0.0000


 41.9714, 23.2675,
2.2789


 41.9714, 23.2675,
2.2789


 41.9718, 23.2689,
2.2792

 43.2127, 25.4628,
3.5798

 45.1234, 28.6229,
6.2555

 47.8158, 32.8584,
10.6963

 51.3692, 38.2579,
17.1439

 55.8524, 44.9007,
25.8019

61.3272, 52.8589,
36.8486

67.8495, 62.1989,
50.4441

75.4714, 72.9826,
66.7345

84.2411, 85.2680,
85.8549

Harmonies

Analogous

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



50.4704, 23.2675, 13.9497



41.9714, 23.2675, 2.2789



29.1002, 23.2675, 0.0011

Triad

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



41.9714, 23.2675, 2.2789



7.2572, 23.2675, 11.1419



27.2554, 23.2675, 145.6585

Complementary

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



41.9714, 23.2675, 2.2789



39.7159, 50.8090, 101.4791

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.



16.3480, 23.2675, 141.8261



41.9714, 23.2675, 2.2789



7.0589, 23.2675, 41.6642

Square

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



41.9714, 23.2675, 2.2789



10.4635, 23.2675, 1.6799



9.7810, 23.2675, 94.6962



40.2342, 23.2675, 102.8472

Rectangle

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



41.9714, 23.2675, 2.2789



21.0655, 23.2675, 0.0000



9.7810, 23.2675, 94.6962



23.1989, 23.2675, 150.4163

Sweetspot

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



41.9719, 23.2690, 2.2792



68.4545, 62.7511, 50.8874



52.1882, 25.5969, 61.4994



14.0298, 12.5435, 9.5848



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.



41.9719, 23.2690, 2.2792



42.3472, 23.4744, 2.2991



55.9252, 51.1755, 6.9303



18.2931, 18.5543, 18.7615



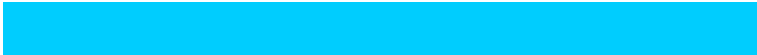
22.2075, 12.4263, 1.2280



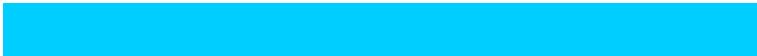
2.2333, 1.3520, 0.1432

Inverse Universe

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



39.7159, 50.8090, 101.4791



40.0703, 51.2606, 102.3901



20.7898, 12.9568, 95.1704



18.2394, 19.8505, 23.1202



21.0435, 26.9965, 53.5363



2.1218, 2.7742, 5.2369

Previews

White Background



This preview shows how the XYZ color 41.9714, 23.2675, 2.2789 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 41.9714, 23.2675, 2.2789 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 41.9714, 23.2675, 2.2789

Background



This preview shows how black text looks on a background with the XYZ color 41.9714, 23.2675, 2.2789.



This preview shows how white text looks on a background with the XYZ color 41.9714, 23.2675,

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

41.9714, 23.2675, 2.2789

Protanopia

21.2125, 23.3580, 4.6869

Deuteranopia

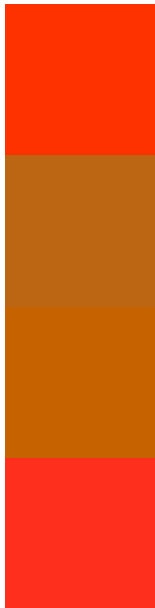
23.6093, 23.2465, 3.2427



Tritanopia

42.3237, 23.2143, 4.7327

Trichromacy



Original Color

41.9714, 23.2675, 2.2789

Protanomaly

25.6167, 20.2446, 3.2193

Deuteranomaly

27.9209, 20.8775, 2.5582

Tritanomaly

42.1113, 23.1926, 3.4195

Monochromacy



Original Color

41.9714, 23.2675, 2.2789

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.5597, 14.2732, 7.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9714, 23.2675, 2.2789 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(254, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 49, 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(254, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 49, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.9714, 23.2675, 2.2789 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(254, 49, 0) }
```


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

```
.border{ border-color:rgb(254, 49, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 49, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 49, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.9714, 23.2675, 2.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 49, 0) }
```

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

```
.background{ background-color: rgb(254, 49,  
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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