

Converting Colors

XYZ(42.3141, 23.4082, 2.2880)

Have a look what the booklet for
XYZ(42.3141, 23.4082, 2.2880)
contains.

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Color

**XYZ(42.2970, 23.3739,
2.2823)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3000
RGB	255, 48, 0
RGB Percent	100%, 19%, 0%
CMY	0.0000, 0.8117, 1.0000
CMYK	0.00, 0.81, 1.00, 0.00
HSL	11°, 100%, 50%
HSV	11°, 100%, 100%
XYZ	42.2970, 23.3739, 2.2823
YIQ	104.4210, 138.7800, 28.9560

Conversions

Conversions Part 2

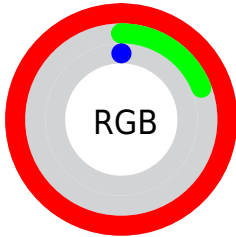
Format	Color
R_{YB}	255, 59, 0
Decimal	16723968
CIE Lab	55.46, 73.74, 68.05
CIE LCh	55, 100.342, 42.705
Yxy	23.3739, 0.6224, 0.3440
Android (android.graphics.Color)	4294914048 (0xFFFF3000)
YUV	104.4210, -51.4796, 132.0578
Hunter-Lab	48.3466, 71.5580, 31.0437

Details

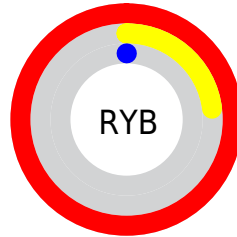
The XYZ color **42.2970, 23.3739, 2.2823** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **40.3583, 51.8367, 102.4855**, and the grayscale version is **13.3815, 14.0784, 15.3314**.

A 20% lighter version of the original color is **48.0996, 33.6315, 8.3713**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.2974, 23.3752, 2.2825**, and if you desaturate by 10%, it is **43.5315, 25.5538, 3.5864**.

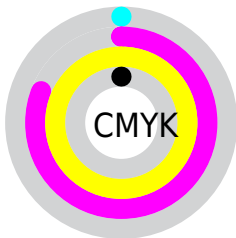
Distribution



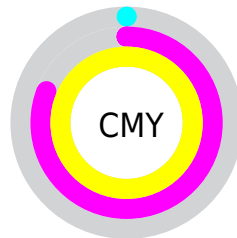
- Red (100%)
- Green (19%)
- Blue (0%)



- Red (100%)
- Yellow (23%)
- 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 42.2970, 23.3739, 2.2823 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 42.2970, 23.3739, 2.2823 by changing the saturation by 10% instead.


 42.2970, 23.3739,
2.2823

 42.2970, 23.3739,
2.2823

346.6834,
269.6396, 126.6169


 29.5260, 14.8698,
0.7213


 77.9113, 49.0065,
9.7991


 19.6254, 8.7281,
0.0000


 101.4853, 66.9039,
16.6119


 12.2297, 4.5642,
0.0000


 129.3911, 88.7012,
26.0189

 6.9736, 1.9939,
0.0000

 161.9939,
114.7827, 38.4387

 3.4918, 0.6039,
0.0000

 199.6592,
145.5329, 54.2899


 1.4189, 0.0000,
0.0000

 242.7523,


 0.2696, 0.0000,


181.3362, 73.9909


0.0000


 291.6386,
222.5770, 97.9604


 0.0000, 0.0000,
0.0000


 42.2970, 23.3739,
2.2823


 42.2970, 23.3739,
2.2823


 42.2974, 23.3752,
2.2825

 43.5315, 25.5538,
3.5864

 45.4444, 28.7130,
6.2792

 48.1500, 32.9651,
10.7544

 51.7292, 38.4014,
17.2566

 56.2522, 45.1031,
25.9914

61.7818, 53.1442,
37.1392

68.3753, 62.5930,
50.8618

76.0856, 73.5128,
67.3068

84.9618, 85.9632,
86.6108

Harmonies

Analogous

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



50.8427, 23.3739, 14.0770



42.2970, 23.3739, 2.2823



29.3166, 23.3739, 0.0000

Triad

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



42.2970, 23.3739, 2.2823



7.2647, 23.3739, 11.0784



27.3421, 23.3739, 147.0755

Complementary

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



42.2970, 23.3739, 2.2823



40.3583, 51.8367, 102.4855

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.



16.3662, 23.3739, 142.9640



42.2970, 23.3739, 2.2823



7.0532, 23.3739, 41.7233

Square

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



42.2970, 23.3739, 2.2823



10.5039, 23.3739, 1.6470



9.7753, 23.3739, 95.2136



40.4364, 23.3739, 103.9537

Rectangle

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



42.2970, 23.3739, 2.2823



21.2070, 23.3739, 0.0000



9.7753, 23.3739, 95.2136



23.2569, 23.3739, 151.8056

Sweetspot

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



42.2975, 23.3754, 2.2826



68.3753, 62.5926, 50.8610



52.6557, 25.8263, 62.0454



14.0116, 12.5071, 9.5787



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.



42.2975, 23.3754, 2.2826



42.2977, 23.3754, 2.2826



56.4242, 51.6287, 6.9915



18.2861, 18.5403, 18.7592



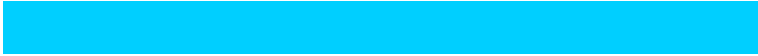
22.1801, 12.3714, 1.2189



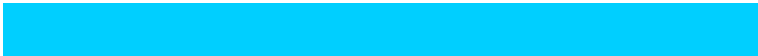
2.2297, 1.3447, 0.1420

Inverse Universe

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



40.3583, 51.8367, 102.4855



40.3584, 51.8369, 102.4861



20.9739, 13.0679, 96.0240



18.2470, 19.8656, 23.1227



21.1922, 27.2941, 53.5859



2.1350, 2.8006, 5.2413

Previews

White Background



This preview shows how the XYZ color 42.2970, 23.3739, 2.2823 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 42.2970, 23.3739, 2.2823 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 42.2970, 23.3739, 2.2823

Background



This preview shows how black text looks on a background with the XYZ color 42.2970, 23.3739, 2.2823.



This preview shows how white text looks on a background with the XYZ color 42.2970, 23.3739,

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

42.2970, 23.3739, 2.2823

Protanopia

21.3501, 23.6332, 4.7327

Deuteranopia

23.7378, 23.5036, 3.2855



Tritanopia

42.6906, 23.4035, 4.7499

Trichromacy



Original Color

42.2970, 23.3739, 2.2823

Protanomaly

25.7156, 20.4424, 3.2522

Deuteranomaly

28.1871, 21.0147, 2.5706

Tritanomaly

42.4783, 23.3817, 3.4367

Monochromacy



Original Color

42.2970, 23.3739, 2.2823

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

18.4518, 14.1049, 6.9043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2970, 23.3739, 2.2823 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, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 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(255, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.2970, 23.3739, 2.2823 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, 48, 0) }
```


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

```
.border{ border-color:rgb(255, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.2970, 23.3739, 2.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 0) }
```

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

```
.background{ background-color: rgb(255, 48,  
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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