

Converting Colors

XYZ(42.5580, 23.8961, 2.3693)

Have a look what the booklet for
XYZ(42.5580, 23.8961, 2.3693)
contains.

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Color

**XYZ(42.5592, 23.8983,
2.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3600
RGB	255, 54, 0
RGB Percent	100%, 21%, 0%
CMY	0.0000, 0.7882, 1.0000
CMYK	0.00, 0.79, 1.00, 0.00
HSL	13°, 100%, 50%
HSV	13°, 100%, 100%
XYZ	42.5592, 23.8983, 2.3697
YIQ	107.9430, 137.1300, 25.8180

Conversions

Conversions Part 2

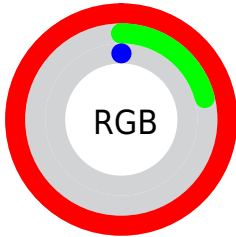
Format	Color
R_{YB}	255, 69, 0
Decimal	16725504
CIE Lab	55.99, 72.24, 68.27
CIE LCh	56, 99.396, 43.384
Yxy	23.8983, 0.6183, 0.3472
Android (android.graphics.Color)	4294915584 (0xFFFF3600)
YUV	107.9430, -53.2159, 128.9690
Hunter-Lab	48.8859, 69.8487, 31.3461

Details

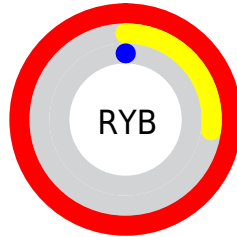
The XYZ color **42.5592, 23.8983, 2.3697** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **38.9329, 48.9860, 102.0104**, and the grayscale version is **14.3576, 15.1054, 16.4497**.

A 20% lighter version of the original color is **48.5879, 34.5647, 8.6682**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.5596, 23.8996, 2.3699**, and if you desaturate by 10%, it is **43.8772, 26.2452, 3.7016**.

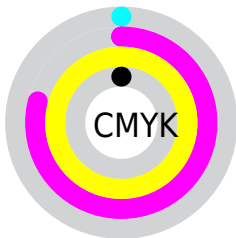
Distribution



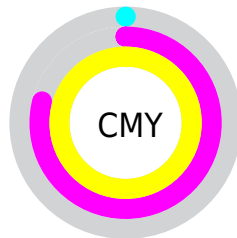
- Red (100%)
- Green (21%)
- Blue (0%)



- Red (100%)
- Yellow (27%)
- Blue (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (79%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5592, 23.8983, 2.3697 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 42.5592, 23.8983, 2.3697 by changing the saturation by 10% instead.


 42.5592, 23.8983,
2.3697


 42.5592, 23.8983,
2.3697

347.7481,
272.3059, 127.8765


 29.7324, 15.2582,
0.7699


 78.3051, 49.8642,
10.0289


 19.7826, 9.0008,
0.0000


 101.9550, 67.9588,
16.9381


 12.3445, 4.7417,
0.0000


 129.9432, 89.9736,
26.4585

 7.0526, 2.0965,
0.0000

 162.6353,
116.2932, 39.0086

 3.5416, 0.6627,
0.0000

 200.3964,
147.3018, 55.0069

 1.4462, 0.0000,
0.0000

 243.5921,


 0.2888, 0.0000,


183.3838, 74.8719


0.0000


 292.5875,
224.9237, 99.0223


 0.0000, 0.0000,
0.0000


 42.5592, 23.8983,
2.3697


 42.5592, 23.8983,
2.3697


 42.5596, 23.8996,
2.3699

 43.8772, 26.2452,
3.7016

 45.8591, 29.5424,
6.4174

 48.6144, 33.8939,
10.9092

 52.2201, 39.3831,
17.4203

 56.7431, 46.0849,
26.1552

62.2433, 54.0672,
37.2932

68.7753, 63.3929,
50.9953

76.3896, 74.1208,
67.4083

85.1332, 86.3060,
86.6682

Harmonies

Analogous

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



51.2563, 23.8983, 14.0665



42.5592, 23.8983, 2.3697



29.5458, 23.8983, 0.0896

Triad

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



42.5592, 23.8983, 2.3697



7.5609, 23.8983, 11.9258



28.1517, 23.8983, 146.5292

Complementary

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



42.5592, 23.8983, 2.3697



38.9329, 48.9860, 102.0104

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.



17.0269, 23.8983, 143.6603



42.5592, 23.8983, 2.3697



7.4089, 23.8983, 43.3414

Square

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



42.5592, 23.8983, 2.3697



10.7777, 23.8983, 1.9001



10.2569, 23.8983, 96.9172



41.2501, 23.8983, 103.0306

Rectangle

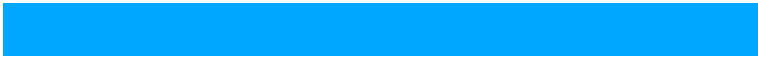
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5592, 23.8983, 2.3697



21.4501, 23.8983, 0.0000



10.2569, 23.8983, 96.9172



24.0278, 23.8983, 151.6164

Sweetspot

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



42.5597, 23.8998, 2.3700



68.7752, 63.3925, 50.9943



52.1388, 25.6195, 59.3237



14.1036, 12.6911, 9.6094



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.



42.5597, 23.8998, 2.3700



42.5599, 23.8998, 2.3700



57.2598, 53.3001, 7.2701



18.3211, 18.6105, 18.7709



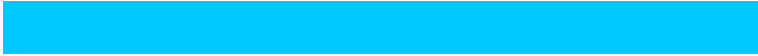
22.3249, 12.6611, 1.2672



2.2486, 1.3825, 0.1483

Inverse Universe

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



38.9329, 48.9860, 102.0104



38.9330, 48.9861, 102.0110



20.6690, 12.4582, 95.9224



18.2091, 19.7897, 23.1100



20.4561, 25.8217, 53.3405



2.0695, 2.6696, 5.2195

Previews

White Background



This preview shows how the XYZ color 42.5592, 23.8983, 2.3697 looks on a white background.

Color Contrast Check

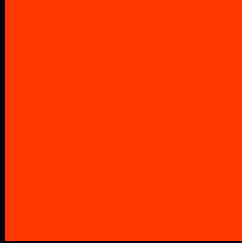
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5592, 23.8983, 2.3697 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 42.5592, 23.8983, 2.3697

Background



This preview shows how black text looks on a background with the XYZ color 42.5592, 23.8983, 2.3697.



This preview shows how white text looks on a background with the XYZ color 42.5592, 23.8983,

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

42.5592, 23.8983, 2.3697

Protanopia

21.6608, 24.0010, 4.7193

Deuteranopia

24.2967, 23.9844, 3.3489



Tritanopia

43.0878, 23.9639, 5.6033

Trichromacy



Original Color

42.5592, 23.8983, 2.3697

Protanomaly

26.2578, 21.1739, 3.3191

Deuteranomaly

28.7411, 21.7249, 2.6785

Tritanomaly

42.7876, 23.9160, 3.7999

Monochromacy



Original Color

42.5592, 23.8983, 2.3697

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.2618, 14.9862, 7.5076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5592, 23.8983, 2.3697 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, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 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, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.5592, 23.8983, 2.3697 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, 54, 0) }
```


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

```
.border{ border-color:rgb(255, 54, 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, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 54, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.5592, 23.8983, 2.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 0) }
```

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

```
.background{ background-color: rgb(255, 54,  
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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