

Converting Colors

XYZ(42.6213, 24.0225, 2.3929)

Have a look what the booklet for
XYZ(42.6213, 24.0225, 2.3929)
contains.

XYZ(42.6062, 23.9924, 2.3854)	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(42.6062, 23.9924,
2.3854)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3700
RGB	255, 55, 0
RGB Percent	100%, 22%, 0%
CMY	0.0000, 0.7842, 1.0000
CMYK	0.00, 0.78, 1.00, 0.00
HSL	13°, 100%, 50%
HSV	13°, 100%, 100%
XYZ	42.6062, 23.9924, 2.3854
YIQ	108.5300, 136.8550, 25.2950

Conversions

Conversions Part 2

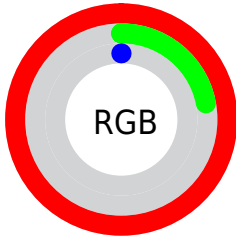
Format	Color
RYB	255, 70, 0
Decimal	16725760
CIELab	56.08, 71.97, 68.31
CIELCh	56, 99.230, 43.507
Yxy	23.9924, 0.6176, 0.3478
Android (android.graphics.Color)	4294915840 (0xFFFF3700)
YUV	108.5300, -53.5053, 128.4542
Hunter-Lab	48.9820, 69.5467, 31.4000

Details

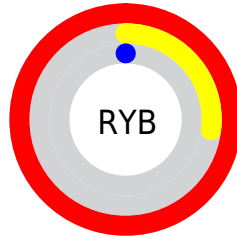
The XYZ color **42.6062, 23.9924, 2.3854** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **38.7005, 48.5212, 101.9327**, and the grayscale version is **14.5244, 15.2808, 16.6408**.

A 20% lighter version of the original color is **48.7063, 34.8015, 8.7077**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.6066, 23.9937, 2.3856**, and if you desaturate by 10%, it is **43.9378, 26.3665, 3.7219**.

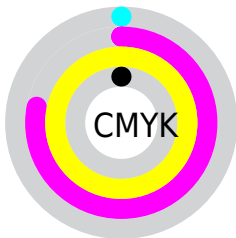
Distribution



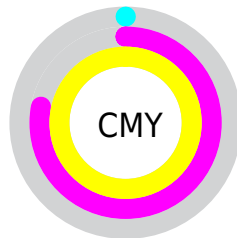
- Red (100%)
- Green (22%)
- Blue (0%)



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



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (78%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6062, 23.9924, 2.3854 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 42.6062, 23.9924, 2.3854 by changing the saturation by 10% instead.


 42.6062, 23.9924,
2.3854


 42.6062, 23.9924,
2.3854


347.9388,
272.7821, 128.1003


 29.7694, 15.3280,
0.7785


 78.3757, 50.0178,
10.0700


 19.8109, 9.0499,
0.0000


 102.0391, 68.1476,
16.9963


 12.3651, 4.7737,
0.0000

 130.0422, 90.2012,
26.5369

 7.0668, 2.1151,
0.0000

 162.7501,
116.5632, 39.1101

 3.5506, 0.6731,
0.0000

 200.5284,
147.6179, 55.1345


 1.4512, 0.0000,
0.0000

 243.7424,


 0.2923, 0.0000,


183.7497, 75.0286


0.0000


 292.7574,
225.3429, 99.2110


 0.0000, 0.0000,
0.0000


 42.6062, 23.9924,
2.3854


 42.6062, 23.9924,
2.3854


 42.6066, 23.9937,
2.3856

 43.9378, 26.3665,
3.7219

 45.9308, 29.6859,
6.4414

 48.6939, 34.0530,
10.9359

 52.3036, 39.5502,
17.4482

 56.8262, 46.2511,
26.1830

62.3211, 54.2228,
37.3193

68.8426, 63.5274,
51.0179

76.4406, 74.2227,
67.4256

85.1619, 86.3634,
86.6780

Harmonies

Analogous

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



51.3305, 23.9924, 14.0646



42.6062, 23.9924, 2.3854



29.5868, 23.9924, 0.1079

Triad

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



42.6062, 23.9924, 2.3854



7.6144, 23.9924, 12.0809



28.2974, 23.9924, 146.4340

Complementary

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



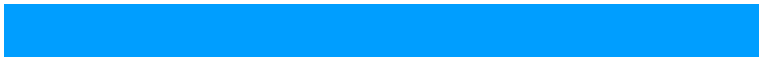
42.6062, 23.9924, 2.3854



38.7005, 48.5212, 101.9327

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.



17.1462, 23.9924, 143.7862



42.6062, 23.9924, 2.3854



7.4734, 23.9924, 43.6337

Square

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



42.6062, 23.9924, 2.3854



10.8268, 23.9924, 1.9476



10.3441, 23.9924, 97.2233



41.3962, 23.9924, 102.8681

Rectangle

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



42.6062, 23.9924, 2.3854



21.4936, 23.9924, 0.0000



10.3441, 23.9924, 97.2233



24.1667, 23.9924, 151.5847

Sweetspot

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



42.6067, 23.9939, 2.3857



68.8424, 63.5268, 51.0167



52.1387, 25.6195, 59.3237



14.1191, 12.7221, 9.6145



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.



42.6067, 23.9939, 2.3857



42.6069, 23.9939, 2.3856



57.2598, 53.3000, 7.2701



18.3270, 18.6222, 18.7728



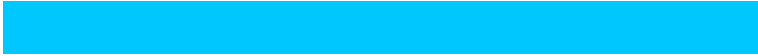
22.3508, 12.7129, 1.2758



2.2519, 1.3891, 0.1494

Inverse Universe

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



38.7005, 48.5212, 101.9327



38.7006, 48.5213, 101.9335



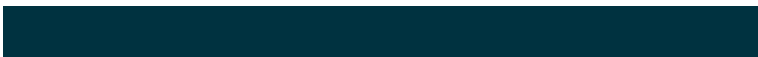
20.6690, 12.4582, 95.9223



18.2027, 19.7771, 23.1079



20.3360, 25.5815, 53.3005



2.0587, 2.6482, 5.2159

Previews

White Background



This preview shows how the XYZ color 42.6062, 23.9924, 2.3854 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 42.6062, 23.9924, 2.3854 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 42.6062, 23.9924, 2.3854

Background



This preview shows how black text looks on a background with the XYZ color 42.6062, 23.9924, 2.3854.



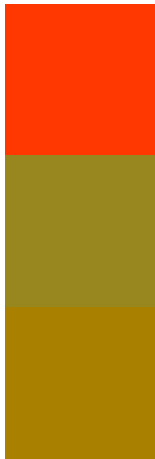
This preview shows how white text looks on a background with the XYZ color 42.6062, 23.9924,

2.3854.

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

42.6062, 23.9924, 2.3854

Protanopia

21.8472, 24.0971, 4.7280

Deuteranopia

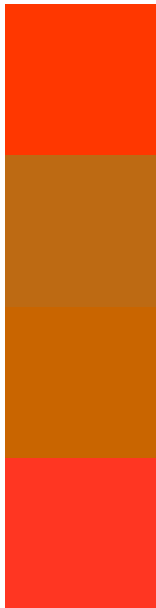
24.2967, 23.9844, 3.3489



Tritanopia

43.1557, 24.0632, 5.7383

Trichromacy



Original Color

42.6062, 23.9924, 2.3854

Protanomaly

26.2578, 21.1739, 3.3191

Deuteranomaly

28.7411, 21.7249, 2.6785

Tritanomaly

42.8479, 24.0138, 3.8902

Monochromacy



Original Color

42.6062, 23.9924, 2.3854

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.5468, 15.2558, 7.5447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6062, 23.9924, 2.3854 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, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 55, 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, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 55, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.6062, 23.9924, 2.3854 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, 55, 0) }
```


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

```
.border{ border-color:rgb(255, 55, 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, 55, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 55, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 55, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 55, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.6062, 23.9924, 2.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 55, 0) }
```

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

```
.background{ background-color: rgb(255, 55,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor