

Converting Colors

XYZ(42.9608, 24.4126, 3.3961)

Have a look what the booklet for
XYZ(42.9608, 24.4126, 3.3961)
contains.

XYZ(42.9904, 24.4625, 3.4332)	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(42.9904, 24.4625,
3.4332)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3B1A
RGB	255, 59, 26
RGB Percent	100%, 23%, 10%
CMY	0.0000, 0.7686, 0.8980
CMYK	0.00, 0.77, 0.90, 0.00
HSL	9°, 100%, 55%
HSV	9°, 90%, 100%
XYZ	42.9904, 24.4625, 3.4332
YIQ	113.8420, 127.4090, 31.2890

Conversions

Conversions Part 2

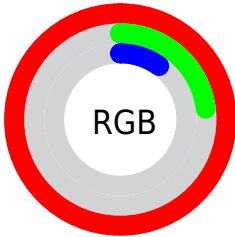
Format	Color
R_{YB}	255, 65, 26
Decimal	16726810
CIE Lab	56.55, 71.10, 61.90
CIE LCh	57, 94.270, 41.041
Yxy	24.4625, 0.6065, 0.3451
Android (android.graphics.Color)	4294916890 (0xFFFF3B1A)
YUV	113.8420, -43.3061, 123.7956
Hunter-Lab	49.4596, 68.5984, 30.5061

Details

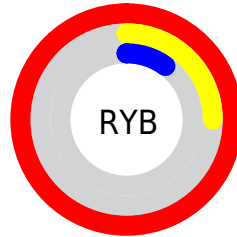
The XYZ color **42.9904, 24.4625, 3.4332** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **44.5931, 59.6741, 103.7749**, and the grayscale version is **16.0479, 16.8836, 18.3863**.

A 20% lighter version of the original color is **49.4169, 35.4706, 11.2631**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **41.9100, 22.5961, 2.1670**, and if you desaturate by 10%, it is **44.7789, 27.3644, 6.1120**.

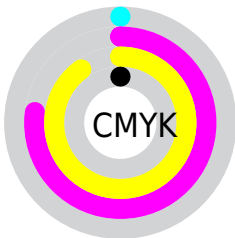
Distribution



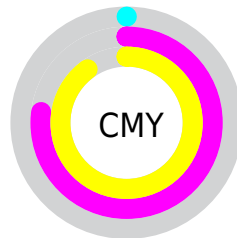
- Red (100%)
- Green (23%)
- Blue (10%)



- Red (100%)
- Yellow (25%)
- Blue (10%)



- Cyan (0%)
- Magenta (77%)
- Yellow (90%)
- Black (0%)





- Cyan (0%)
- Magenta (77%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9904, 24.4625, 3.4332 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 42.9904, 24.4625, 3.4332 by changing the saturation by 10% instead.


 42.9904, 24.4625,
3.4332

 42.9904, 24.4625,
3.4332


349.4945,
275.1505, 141.7001


 30.0721, 15.6771,
1.3199


 78.9522, 50.7839,
12.6799

 20.0416, 9.2959,
0.0780


 102.7263, 69.0886,
20.6503


 12.5338, 4.9347,
0.0000

 130.8498, 91.3352,
31.4102

 7.1831, 2.2090,
0.0000

 163.6880,
117.9081, 45.3780

 3.6242, 0.7249,
0.0000

 201.6062,
149.1917, 62.9724


 1.4918, 0.0000,
0.0000

 244.9697,


 0.3202, 0.0000,


185.5704, 84.6119


0.0000


 294.1441,
227.4285, 110.7149


 0.0000, 0.0000,
0.0000


 42.9904, 24.4625,
3.4332


 42.9904, 24.4625,
3.4332


 41.9100, 22.5961,
2.1670


 44.7789, 27.3644,
6.1120

 41.8939, 22.5682,
2.1481

 47.3961, 31.4293,
10.5899

 50.9317, 36.7668,
17.1135

 55.4629, 43.4721,
25.8904

 61.0584, 51.6312,
37.1023

67.7808, 61.3232,
50.9127

75.6879, 72.6214,
67.4707

84.8333, 85.5941,
86.9140

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



50.5986, 24.4625, 16.6864



42.9904, 24.4625, 3.4332



30.7735, 24.4625, 0.5831

Triad

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



42.9904, 24.4625, 3.4332



8.4948, 24.4625, 11.4698



27.5151, 24.4625, 140.2467

Complementary

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



42.9904, 24.4625, 3.4332



44.5931, 59.6741, 103.7749

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.



17.0665, 24.4625, 133.8337



42.9904, 24.4625, 3.4332



8.1165, 24.4625, 39.9142

Square

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



42.9904, 24.4625, 3.4332



11.9965, 24.4625, 2.1409



10.7237, 24.4625, 88.9737



39.9713, 24.4625, 102.7693

Rectangle

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



42.9904, 24.4625, 3.4332



22.8708, 24.4625, 0.2266



10.7237, 24.4625, 88.9737



23.6352, 24.4625, 143.6173

Sweetspot

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



42.9909, 24.4640, 3.4336



69.8760, 64.3257, 55.2713



55.1270, 27.4058, 73.2372



14.4129, 12.9893, 10.7002



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.



42.9909, 24.4640, 3.4336



41.8942, 22.5684, 2.1481



55.9954, 50.4729, 7.7684



18.2206, 18.4094, 18.7374



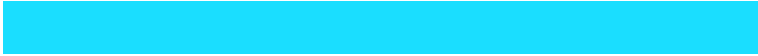
21.9540, 11.9192, 1.1435



2.1979, 1.2811, 0.1314

Inverse Universe

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



44.5931, 59.6741, 103.7749



43.1829, 57.4858, 103.4276



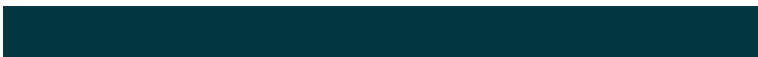
24.0483, 18.5844, 96.9266



18.3185, 20.0087, 23.1465



22.6494, 30.2083, 54.0716



2.2637, 3.0580, 5.2842

Previews

White Background



This preview shows how the XYZ color 42.9904, 24.4625, 3.4332 looks on a white background.

Color Contrast Check

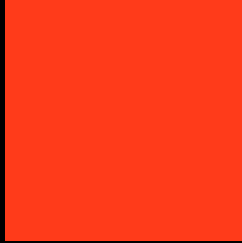
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9904, 24.4625, 3.4332 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 42.9904, 24.4625, 3.4332

Background



This preview shows how black text looks on a background with the XYZ color 42.9904, 24.4625, 3.4332.



This preview shows how white text looks on a background with the XYZ color 42.9904, 24.4625,

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

42.9904, 24.4625, 3.4332

Protanopia

22.2077, 24.4656, 5.9347

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

43.4668, 24.4917, 6.4394

Trichromacy



Original Color

42.9904, 24.4625, 3.4332

Protanomaly

26.6828, 21.6775, 4.5281

Deuteranomaly

29.3567, 22.4769, 3.0497

Tritanomaly

43.2462, 24.4834, 5.0312

Monochromacy



Original Color

42.9904, 24.4625, 3.4332

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

21.0427, 16.6139, 10.0804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9904, 24.4625, 3.4332 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, 59, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 26)  
}
```

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, 59, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 26) }
```

Border

The CSS property to change the border of an element to XYZ 42.9904, 24.4625, 3.4332 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, 59, 26) }
```


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

```
.border{ border-color:rgb(255, 59, 26) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9904, 24.4625, 3.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 26) }
```

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

```
.background{ background-color: rgb(255, 59,  
26) }
```

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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