

Converting Colors

XYZ(42.3913, 22.7192, 4.9136)

Have a look what the booklet for
XYZ(42.3913, 22.7192, 4.9136)
contains.

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Color

**XYZ(42.4044, 22.7352,
4.9497)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2430
RGB	255, 36, 48
RGB Percent	100%, 14%, 19%
CMY	0.0000, 0.8587, 0.8118
CMYK	0.00, 0.86, 0.81, 0.00
HSL	357°, 100%, 57%
HSV	357°, 86%, 100%
XYZ	42.4044, 22.7352, 4.9497
YIQ	102.8490, 126.6720, 50.1600

Conversions

Conversions Part 2

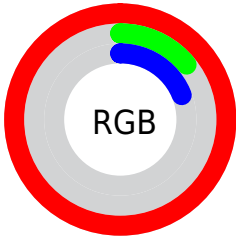
Format	Color
R_{YB}	255, 36, 48
Decimal	16720944
CIE _{Lab}	54.80, 76.89, 50.69
CIE _{LCh}	55, 92.094, 33.394
Yxy	22.7352, 0.6050, 0.3244
Android (android.graphics.Color)	4294911024 (0xFFFF2430)
YUV	102.8490, -27.0406, 133.4364
Hunter-Lab	47.6814, 75.3024, 27.2223

Details

The XYZ color **42.4044, 22.7352, 4.9497** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **52.6697, 78.3676, 97.1645**, and the grayscale version is **12.9014, 13.5733, 14.7813**.

A 20% lighter version of the original color is **48.7139, 32.8297, 14.8356**, and **20.7500, 10.6957, 1.0283** is the 20% darker color. If you saturate the color by 10%, you get **41.5178, 21.5540, 2.8306**, and if you desaturate by 10%, it is **44.1099, 25.1231, 8.6735**.

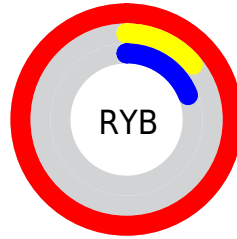
Distribution



Red (100%)

Green (14%)

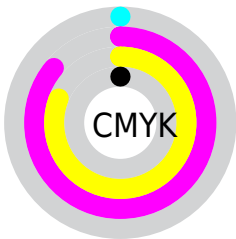
Blue (19%)



Red (100%)

Yellow (14%)

Blue (19%)

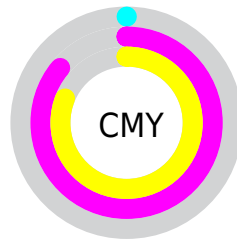


Cyan (0%)

Magenta (86%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4044, 22.7352, 4.9497 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 42.4044, 22.7352, 4.9497 by changing the saturation by 10% instead.


 42.4044, 22.7352,
4.9497

 42.4044, 22.7352,
4.9497

347.1198,
266.3620, 158.2594


 29.6106, 14.3981,
2.1596


 78.0726, 47.9582,
16.1468


 19.6898, 8.3981,
0.6509


 101.6777, 65.6128,
25.3908

 12.2767, 4.3507,
0.0000


 129.6173, 87.1421,
37.6231

 7.0060, 1.8716,
0.0000

 162.2567,
112.9304, 53.2624

 3.5122, 0.5312,
0.0000

 199.9613,
143.3622, 72.7272

 1.4300, 0.0000,
0.0000

 243.0965,

 0.2775, 0.0000,

178.8218, 96.4359

0.0000

292.0275,
219.6936, 124.8071

■ 0.0000, 0.0000,
0.0000

■ 42.4044, 22.7352,
4.9497

■ 42.4044, 22.7352,
4.9497

■ 41.5178, 21.5540,
2.8306

■ 44.1099, 25.1231,
8.6735

■ 41.3186, 21.2914,
2.3454

■ 46.7711, 28.9290,
14.2363

■ 50.5016, 34.3285,
21.8348

■ 55.3984, 41.4710,
31.6402

■ 61.5478, 50.4885,
43.8058

69.0278, 61.5003,
58.4708

77.9102, 74.6160,
75.7641

88.2615, 89.9371,
95.8055

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



47.6129, 22.7352, 21.5840



42.4044, 22.7352, 4.9497



31.6085, 22.7352, 0.8486

Triad

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



42.4044, 22.7352, 4.9497



8.4123, 22.7352, 7.1853



22.7880, 22.7352, 133.3849

Complementary

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



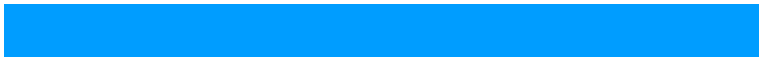
42.4044, 22.7352, 4.9497



52.6697, 78.3676, 97.1645

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.



13.9781, 22.7352, 116.2427



42.4044, 22.7352, 4.9497



7.3721, 22.7352, 28.2218

Square

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



42.4044, 22.7352, 4.9497



12.5309, 22.7352, 1.2549



9.0450, 22.7352, 70.1705



34.2644, 22.7352, 107.1880

Rectangle

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



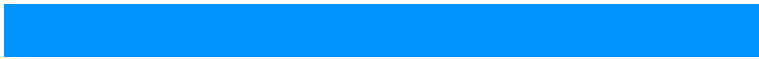
42.4044, 22.7352, 4.9497



23.9390, 22.7352, 0.2096



9.0450, 22.7352, 70.1705



19.4356, 22.7352, 132.5452

Sweetspot

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



42.4049, 22.7366, 4.9500



68.9237, 61.3465, 58.2668



54.7530, 27.0789, 96.9479



14.1660, 12.2664, 11.3243



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.



42.4049, 22.7366, 4.9500



41.3189, 21.2916, 2.3454



49.6634, 37.5971, 6.3106



18.0496, 18.0032, 18.8785



21.6061, 11.1317, 1.3103



2.1172, 1.0893, 0.1988

Inverse Universe

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



42.4049, 22.7366, 4.9500



41.3189, 21.2916, 2.3454



31.3684, 32.7757, 99.2801



18.0496, 18.0032, 18.8785



21.6061, 11.1317, 1.3103



2.1172, 1.0893, 0.1988

Previews

White Background



This preview shows how the XYZ color 42.4044, 22.7352, 4.9497 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 42.4044, 22.7352, 4.9497 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 42.4044, 22.7352, 4.9497

Background



This preview shows how black text looks on a background with the XYZ color 42.4044, 22.7352, 4.9497.



This preview shows how white text looks on a background with the XYZ color 42.4044, 22.7352,

4.9497.

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

42.4044, 22.7352, 4.9497

Protanopia

21.1309, 23.0033, 9.6297

Deuteranopia

23.2691, 22.8581, 4.2842



Tritanopia

42.2365, 22.7676, 3.7586

Trichromacy



Original Color

42.4044, 22.7352, 4.9497

Protanomaly

25.2077, 19.2338, 7.2344

Deuteranomaly

27.5064, 19.9558, 3.9922

Tritanomaly

42.2846, 22.7363, 4.1674

Monochromacy



Original Color

42.4044, 22.7352, 4.9497

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

18.4579, 13.4856, 9.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4044, 22.7352, 4.9497 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, 36, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 48)  
}
```

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, 36, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 48) }
```

Border

The CSS property to change the border of an element to XYZ 42.4044, 22.7352, 4.9497 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, 36, 48) }
```


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

```
.border{ border-color:rgb(255, 36, 48) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4044, 22.7352, 4.9497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 48) }
```

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

```
.background{ background-color: rgb(255, 36,  
48) }
```

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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