

Converting Colors

XYZ(42.8761, 24.6913, 7.2969)

Have a look what the booklet for
XYZ(42.8761, 24.6913, 7.2969)
contains.

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Color

**XYZ(42.9037, 24.7324,
7.3630)**

Conversions

Conversions Part 1

Format	Color
Hex	FC4040
RGB	252, 64, 64
RGB Percent	99%, 25%, 25%
CMY	0.0118, 0.7490, 0.7490
CMYK	0.00, 0.75, 0.75, 0.01
HSL	0°, 97%, 62%
HSV	0°, 75%, 99%
XYZ	42.9037, 24.7324, 7.3630
YIQ	120.2120, 112.0480, 39.8560

Conversions

Conversions Part 2

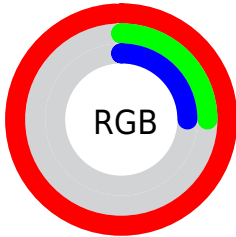
Format	Color
R_{YB}	252, 64, 64
Decimal	16531520
CIE Lab	56.81, 69.70, 44.06
CIE LCh	57, 82.456, 32.299
Yxy	24.7324, 0.5721, 0.3298
Android (android.graphics.Color)	4294721600 (0xFFFC4040)
YUV	120.2120, -27.7125, 115.5781
Hunter-Lab	49.7317, 66.9622, 26.0340

Details

The XYZ color **42.9037, 24.7324, 7.3630** 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 **54.4908, 77.7299, 104.2263**, and the grayscale version is **17.9832, 18.9197, 20.6035**.

A 20% lighter version of the original color is **51.5543, 37.1195, 20.0704**, and **20.6198, 10.6153, 1.6240** is the 20% darker color. If you saturate the color by 10%, you get **41.2270, 22.2795, 4.0296**, and if you desaturate by 10%, it is **45.5463, 28.6001, 12.6152**.

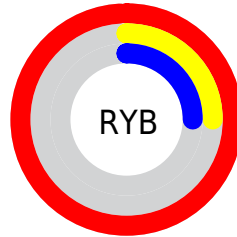
Distribution



Red (99%)

Green (25%)

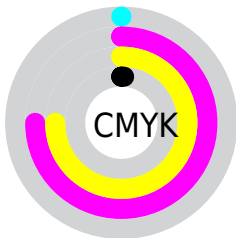
Blue (25%)



Red (99%)

Yellow (25%)

Blue (25%)

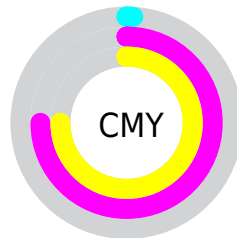


Cyan (0%)

Magenta (75%)

Yellow (75%)

Black (1%)



Cyan (1%)


Magenta (75%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9037, 24.7324, 7.3630 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 42.9037, 24.7324, 7.3630 by changing the saturation by 10% instead.


 42.9037, 24.7324,
7.3630


 42.9037, 24.7324,
7.3630

349.1438,
276.5026, 180.3906

 30.0038, 15.8778,
3.6083


 78.8221, 51.2228,
21.2250

 19.9895, 9.4377,
1.4130


 102.5713, 69.6273,
32.1694


 12.4957, 5.0278,
0.1518


 130.6677, 91.9840,
46.3474

 7.1568, 2.2636,
0.0000

 163.4765,
118.6771, 64.1775

 3.6075, 0.7543,
0.0000

 201.3632,
150.0912, 86.0784

 1.4826, 0.0000,
0.0000

 244.6931,

 0.3139, 0.0000,

186.6105, 112.4685

0.0000

293.8315,
228.6195, 143.7663

■ 0.0000, 0.0000,
0.0000

■ 42.9037, 24.7324,
7.3630

■ 42.9037, 24.7324,
7.3630

■ 41.2270, 22.2795,
4.0296

■ 45.5463, 28.6001,
12.6152

■ 40.3732, 21.0298,
2.3327


■ 49.2684, 34.0468,
20.0143


■ 40.1448, 20.6957,
1.8788


■ 54.1698, 41.2189,
29.7577

■ 60.3382, 50.2452,
42.0201

■ 67.8534, 61.2420,
56.9599

 76.7882, 74.3161,
74.7221

 87.2105, 89.5668,
95.4416

 93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



47.3053, 24.7324, 24.8566



42.9037, 24.7324, 7.3630



33.2149, 24.7324, 1.9735

Triad

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



42.9037, 24.7324, 7.3630



10.6232, 24.7324, 9.0277



24.2584, 24.7324, 122.3557

Complementary

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



42.9037, 24.7324, 7.3630



54.4908, 77.7299, 104.2263

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.



15.9036, 24.7324, 106.5255



42.9037, 24.7324, 7.3630



9.4291, 24.7324, 29.1143

Square

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



42.9037, 24.7324, 7.3630



14.9322, 24.7324, 2.3702



11.0668, 24.7324, 66.3968



34.8622, 24.7324, 101.2903

Rectangle

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



42.9037, 24.7324, 7.3630



26.0787, 24.7324, 1.1459



11.0668, 24.7324, 66.3968



21.1109, 24.7324, 121.1638

Sweetspot

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



42.9043, 24.7339, 7.3634



71.9386, 66.1816, 62.9547



59.5486, 31.3904, 95.0152



14.8973, 13.4332, 12.4799



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.



42.9043, 24.7339, 7.3634



41.7797, 22.0499, 3.0023



53.2969, 45.5192, 10.8276



17.2448, 17.2254, 17.8783



20.9121, 10.7808, 0.9787



1.9369, 0.9986, 0.0907

Inverse Universe

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



54.4908, 77.7299, 104.2263



54.2179, 78.9423, 106.9875



31.9118, 32.5719, 96.6999



17.7658, 19.6084, 22.2337



27.2829, 39.9214, 54.2412



2.5269, 3.6975, 5.0237

Previews

White Background



This preview shows how the XYZ color 42.9037, 24.7324, 7.3630 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 42.9037, 24.7324, 7.3630 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 42.9037, 24.7324, 7.3630

Background



This preview shows how black text looks on a background with the XYZ color 42.9037, 24.7324, 7.3630.



This preview shows how white text looks on a background with the XYZ color 42.9037, 24.7324,

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

42.9037, 24.7324, 7.3630

Protanopia

23.0604, 24.9690, 12.6209

Deuteranopia

25.1800, 24.7592, 6.7007



Tritanopia

42.9616, 24.7556, 7.6682

Trichromacy



Original Color

42.9037, 24.7324, 7.3630

Protanomaly

27.2369, 22.1555, 10.2380

Deuteranomaly

29.6873, 22.8730, 6.5916

Tritanomaly

42.9324, 24.7439, 7.5143

Monochromacy



Original Color

42.9037, 24.7324, 7.3630

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

23.0059, 18.3593, 14.3877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9037, 24.7324, 7.3630 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(252, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(252, 64, 64)  
}
```

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(252, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 64, 64) }
```

Border

The CSS property to change the border of an element to XYZ 42.9037, 24.7324, 7.3630 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(252, 64, 64) }
```


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

```
.border{ border-color:rgb(252, 64, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 64, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(252, 64,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9037, 24.7324, 7.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 64, 64) }
```

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

```
.background{ background-color: rgb(252, 64,  
64) }
```

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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