

Converting Colors

XYZ(42.3690, 22.8334, 4.4167)

Have a look what the booklet for
XYZ(42.3690, 22.8334, 4.4167)
contains.

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Color

**XYZ(42.3692, 22.8206,
4.4572)**

Conversions

Conversions Part 1

Format	Color
Hex	FF262B
RGB	255, 38, 43
RGB Percent	100%, 15%, 17%
CMY	0.0000, 0.8509, 0.8314
CMYK	0.00, 0.85, 0.83, 0.00
HSL	359°, 100%, 57%
HSV	359°, 85%, 100%
XYZ	42.3692, 22.8206, 4.4572
YIQ	103.4530, 127.7270, 47.5590

Conversions

Conversions Part 2

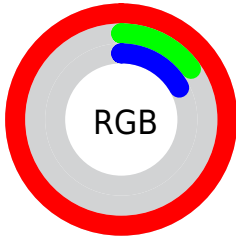
Format	Color
R_{YB}	255, 38, 43
Decimal	16721451
CIE Lab	54.89, 76.40, 53.29
CIE LCh	55, 93.152, 34.896
Yxy	22.8206, 0.6083, 0.3277
Android (android.graphics.Color)	4294911531 (0xFFFF262B)
YUV	103.4530, -29.8033, 132.9067
Hunter-Lab	47.7709, 74.7170, 27.9077

Details

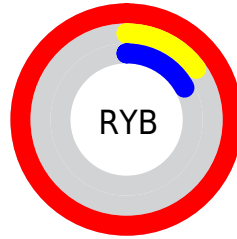
The XYZ color **42.3692, 22.8206, 4.4572** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.8188, 78.8356, 102.8411**, and the grayscale version is **13.0681, 13.7487, 14.9723**.

A 20% lighter version of the original color is **48.5970, 32.9526, 13.6967**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4876, 21.5797, 2.5546**, and if you desaturate by 10%, it is **44.0872, 25.2895, 8.0130**.

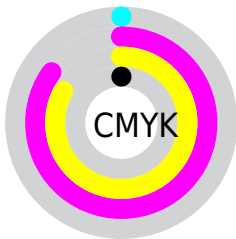
Distribution



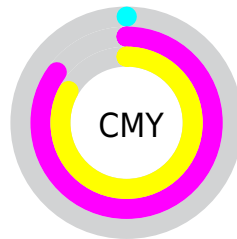
- Red (100%)
- Green (15%)
- Blue (17%)



- Red (100%)
- Yellow (15%)
- Blue (17%)



- Cyan (0%)
- Magenta (85%)
- Yellow (83%)
- Black (0%)





- Cyan (0%)
- Magenta (85%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3692, 22.8206, 4.4572 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 42.3692, 22.8206, 4.4572 by changing the saturation by 10% instead.

 42.3692, 22.8206,
4.4572


 42.3692, 22.8206,
4.4572


346.9768,
266.8022, 153.1791


 29.5829, 14.4611,
1.8794


 78.0198, 48.0986,
15.0512


 19.6687, 8.4421,
0.4796


 101.6147, 65.7859,
23.9044

 12.2613, 4.3791,
0.0000


 129.5432, 87.3512,
35.6865

 6.9954, 1.8878,
0.0000

 162.1706,
113.1789, 50.8160

 3.5055, 0.5410,
0.0000

 199.8623,
143.6535, 69.7115

 1.4264, 0.0000,
0.0000

 242.9837,

 0.2749, 0.0000,

179.1593, 92.7915

0.0000

291.9001,
220.0808, 120.4745

■ 0.0000, 0.0000,
0.0000

■ 42.3692, 22.8206,
4.4572

■ 42.3692, 22.8206,
4.4572

■ 41.4876, 21.5797,
2.5546

■ 44.0872, 25.2895,
8.0130

■ 41.2718, 21.2727,
2.0987

■ 46.7824, 29.1958,
13.4863

■ 50.5712, 34.7149,
21.0956

■ 55.5535, 41.9957,
31.0300

■ 61.8179, 51.1706,
43.4576

■ 69.4445, 62.3591,
58.5311

■ 78.5071, 75.6710,
76.3908

■ 89.0740, 91.2079,
97.1673

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



48.0680, 22.8206, 20.3076



42.3692, 22.8206, 4.4572



31.2426, 22.8206, 0.7187

Triad

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



42.3692, 22.8206, 4.4572



8.2291, 22.8206, 7.6975



23.4277, 22.8206, 135.3243

Complementary

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



42.3692, 22.8206, 4.4572



53.8188, 78.8356, 102.8411

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.



14.3153, 22.8206, 119.9729



42.3692, 22.8206, 4.4572



7.3206, 22.8206, 30.0186

Square

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



42.3692, 22.8206, 4.4572



12.2056, 22.8206, 1.3090



9.1487, 22.8206, 73.5826



35.1338, 22.8206, 106.6480

Rectangle

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



42.3692, 22.8206, 4.4572



23.5036, 22.8206, 0.1293



9.1487, 22.8206, 73.5826



19.9727, 22.8206, 135.2685

Sweetspot

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



42.3697, 22.8220, 4.4575



68.6916, 61.2536, 57.0445



57.3725, 28.5216, 97.0886



14.1129, 12.2451, 11.0449



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.



42.3697, 22.8220, 4.4575



41.2720, 21.2728, 2.0988



50.8631, 39.9461, 6.8653



18.0263, 17.9938, 18.7555



21.5728, 11.1184, 1.1350



2.1061, 1.0848, 0.1404

Inverse Universe

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



42.3697, 22.8220, 4.4575



41.2720, 21.2728, 2.0988



30.3635, 30.6592, 98.9247



18.0263, 17.9938, 18.7555



21.5728, 11.1184, 1.1350



2.1061, 1.0848, 0.1404

Previews

White Background



This preview shows how the XYZ color 42.3692, 22.8206, 4.4572 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 42.3692, 22.8206, 4.4572 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 42.3692, 22.8206, 4.4572

Background



This preview shows how black text looks on a background with the XYZ color 42.3692, 22.8206, 4.4572.



This preview shows how white text looks on a background with the XYZ color 42.3692, 22.8206,

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

42.3692, 22.8206, 4.4572

Protanopia

21.0887, 23.0069, 8.4835

Deuteranopia

23.1607, 22.8147, 3.7133



Tritanopia

42.2840, 22.8384, 3.8487

Trichromacy



Original Color

42.3692, 22.8206, 4.4572

Protanomaly

25.3811, 19.4800, 6.4253

Deuteranomaly

27.3895, 19.9090, 3.3765

Tritanomaly

42.3317, 22.8575, 4.1003

Monochromacy



Original Color

42.3692, 22.8206, 4.4572

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

18.3817, 13.4551, 9.4129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3692, 22.8206, 4.4572 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, 38, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 43)  
}
```

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, 38, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 43) }
```

Border

The CSS property to change the border of an element to XYZ 42.3692, 22.8206, 4.4572 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, 38, 43) }
```


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

```
.border{ border-color:rgb(255, 38, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3692, 22.8206, 4.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 43) }
```

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

```
.background{ background-color: rgb(255, 38,  
43) }
```

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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