

Converting Colors

XYZ(42.3004, 22.8117, 4.0380)

Have a look what the booklet for
XYZ(42.3004, 22.8117, 4.0380)
contains.

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Color

**XYZ(42.2830, 22.7862,
4.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2626
RGB	255, 38, 38
RGB Percent	100%, 15%, 15%
CMY	0.0000, 0.8509, 0.8510
CMYK	0.00, 0.85, 0.85, 0.00
HSL	0°, 100%, 57%
HSV	0°, 85%, 100%
XYZ	42.2830, 22.7862, 4.0033
YIQ	102.8830, 129.3320, 46.0040

Conversions

Conversions Part 2

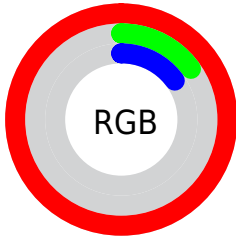
Format	Color
R_{YB}	255, 38, 38
Decimal	16721446
CIE Lab	54.85, 76.30, 55.65
CIE LCh	55, 94.438, 36.108
Yxy	22.7862, 0.6122, 0.3299
Android (android.graphics.Color)	4294911526 (0xFFFF2626)
YUV	102.8830, -31.9873, 133.4066
Hunter-Lab	47.7349, 74.5771, 28.4421

Details

The XYZ color **42.2830, 22.7862, 4.0033** 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 **54.6010, 79.1356, 107.0040**, and the grayscale version is **12.9223, 13.5953, 14.8052**.

A 20% lighter version of the original color is **48.3884, 32.8692, 12.5981**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4471, 21.5636, 2.3418**, and if you desaturate by 10%, it is **43.9575, 25.2375, 7.3308**.

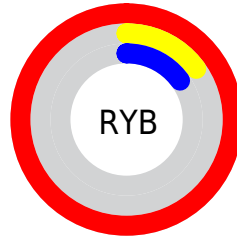
Distribution



Red (100%)

Green (15%)

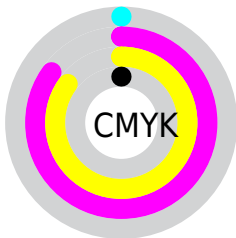
Blue (15%)



Red (100%)

Yellow (15%)

Blue (15%)

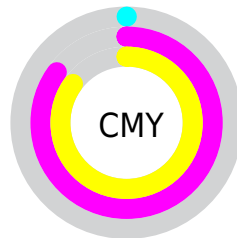


Cyan (0%)

Magenta (85%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2830, 22.7862, 4.0033 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 42.2830, 22.7862, 4.0033 by changing the saturation by 10% instead.


 42.2830, 22.7862,
4.0033


 42.2830, 22.7862,
4.0033

346.6264,
266.6250, 148.2620


 29.5150, 14.4357,
1.6272


 77.8902, 48.0420,
14.0174


 19.6170, 8.4243,
0.3101


 101.4602, 65.7162,
22.4924

 12.2236, 4.3677,
0.0000


 129.3616, 87.2670,
33.8374

 6.9694, 1.8813,
0.0000

 161.9596,
113.0789, 48.4710

 3.4891, 0.5371,
0.0000

 199.6198,
143.5362, 66.8118

 1.4174, 0.0000,
0.0000

 242.7074,

 0.2686, 0.0000,

179.0234, 89.2781

0.0000

291.5879,
219.9249, 116.2887

0.0000, 0.0000,
0.0000

42.2830, 22.7862,
4.0033

42.2830, 22.7862,
4.0033

41.4471, 21.5636,
2.3418

43.9575, 25.2375,
7.3308

41.2400, 21.2605,
1.9301

46.6169, 29.1291,
12.6167

50.3812, 34.6376,
20.0996

55.3534, 41.9133,
29.9836

61.6242, 51.0894,
42.4496

69.2760, 62.2862,
57.6613

78.3844, 75.6141,
75.7687

89.0192, 91.1756,
96.9110

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



48.4077, 22.7862, 19.1775



42.2830, 22.7862, 4.0033



30.8568, 22.7862, 0.5751

Triad

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



42.2830, 22.7862, 4.0033



7.9918, 22.7862, 8.0407



23.8666, 22.7862, 137.2752

Complementary

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



42.2830, 22.7862, 4.0033



54.6010, 79.1356, 107.0040

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.



14.4968, 22.7862, 123.3703



42.2830, 22.7862, 4.0033



7.1930, 22.7862, 31.4504

Square

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



42.2830, 22.7862, 4.0033



11.8439, 22.7862, 1.3127



9.1429, 22.7862, 76.5149



35.7867, 22.7862, 106.3791

Rectangle

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



42.2830, 22.7862, 4.0033



23.0502, 22.7862, 0.0245



9.1429, 22.7862, 76.5149



20.3223, 22.7862, 137.8828

Sweetspot

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



42.2835, 22.7876, 4.0036



68.5275, 61.1906, 56.1727



59.9827, 29.8660, 97.2104



14.0755, 12.2308, 10.8460



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.



42.2835, 22.7876, 4.0036



41.2403, 21.2606, 1.9301



51.9457, 42.1120, 7.2243



18.0096, 17.9874, 18.6670



21.5490, 11.1093, 1.0085



2.0982, 1.0818, 0.0982

Inverse Universe

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



54.6010, 79.1356, 107.0040



53.8007, 78.7213, 106.9669



29.2053, 28.3442, 98.5388



18.5548, 20.4811, 23.2253



28.1121, 41.1338, 55.8925



2.7372, 4.0052, 5.4421

Previews

White Background



This preview shows how the XYZ color 42.2830, 22.7862, 4.0033 looks on a white background.

Color Contrast Check

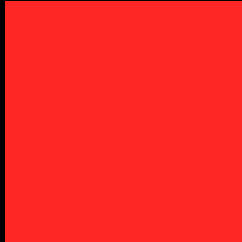
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2830, 22.7862, 4.0033 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 42.2830, 22.7862, 4.0033

Background



This preview shows how black text looks on a background with the XYZ color 42.2830, 22.7862, 4.0033.



This preview shows how white text looks on a background with the XYZ color 42.2830, 22.7862,

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

42.2830, 22.7862, 4.0033

Protanopia

20.9209, 22.9398, 7.6001

Deuteranopia

23.2700, 22.8827, 3.1903



Tritanopia

42.2365, 22.7676, 3.7586

Trichromacy



Original Color

42.2830, 22.7862, 4.0033

Protanomaly

25.2372, 19.4224, 5.6676

Deuteranomaly

27.5468, 20.0025, 2.8245

Tritanomaly

42.2516, 22.7736, 3.8379

Monochromacy



Original Color

42.2830, 22.7862, 4.0033

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

18.3078, 13.4256, 9.0236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2830, 22.7862, 4.0033 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, 38)` looks like.

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

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, 38) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 42.2830, 22.7862, 4.0033 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, 38) }
```


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

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

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, 38)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 42.2830, 22.7862, 4.0033 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, 38) }
```

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

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

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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