

Converting Colors

XYZ(42.2390, 22.4270, 4.8250)

Have a look what the booklet for
XYZ(42.2390, 22.4270, 4.8250)
contains.

XYZ(42.2431, 22.4452, 4.7952)	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(42.2431, 22.4452,
4.7952)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F2F
RGB	255, 31, 47
RGB Percent	100%, 12%, 18%
CMY	0.0000, 0.8783, 0.8157
CMYK	0.00, 0.88, 0.82, 0.00
HSL	356°, 100%, 56%
HSV	356°, 88%, 100%
XYZ	42.2431, 22.4452, 4.7952
YIQ	99.8000, 128.3680, 52.4640

Conversions

Conversions Part 2

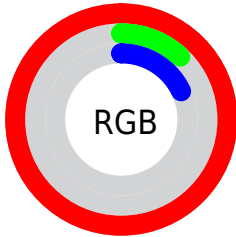
Format	Color
R_{YB}	255, 31, 47
Decimal	16719663
CIE _{Lab}	54.50, 77.71, 50.92
CIE _{LCh}	54, 92.904, 33.234
Yxy	22.4452, 0.6080, 0.3230
Android (android.graphics.Color)	4294909743 (0xFFFF1F2F)
YUV	99.8000, -26.0304, 136.1104
Hunter-Lab	47.3764, 76.2507, 27.1624

Details

The XYZ color **42.2431, 22.4452, 4.7952** 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 **51.9099, 78.0450, 94.0116**, and the grayscale version is **12.1072, 12.7377, 13.8713**.

A 20% lighter version of the original color is **48.4596, 32.3943, 14.5251**, and **20.7445, 10.6936, 0.9994** is the 20% darker color. If you saturate the color by 10%, you get **41.4576, 21.4430, 2.7813**, and if you desaturate by 10%, it is **43.8068, 24.5907, 8.3455**.

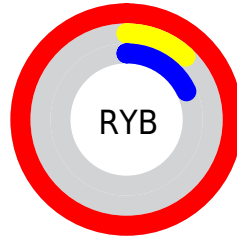
Distribution



Red (100%)

Green (12%)

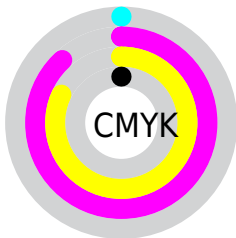
Blue (18%)



Red (100%)

Yellow (12%)

Blue (18%)

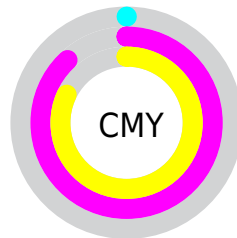


Cyan (0%)

Magenta (88%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2431, 22.4452, 4.7952 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 42.2431, 22.4452, 4.7952 by changing the saturation by 10% instead.


 42.2431, 22.4452,
4.7952

 42.2431, 22.4452,
4.7952


346.4642,
264.8625, 156.6918


 29.4836, 14.1844,
2.0710


 77.8303, 47.4807,
15.8058


 19.5931, 8.2490,
0.5984


 101.3887, 65.0242,
24.9292

 12.2062, 4.2547,
0.0000


 129.2775, 86.4307,
37.0228

 6.9574, 1.8170,
0.0000

 161.8620,
112.0847, 52.5050

 3.4816, 0.4978,
0.0000

 199.5075,
142.3704, 71.7945

 1.4133, 0.0000,
0.0000

 242.5795,

 0.2656, 0.0000,

177.6724, 95.3098

0.0000

291.4433,
218.3749, 123.4693

■ 0.0000, 0.0000,
0.0000

■ 42.2431, 22.4452,
4.7952

■ 42.2431, 22.4452,
4.7952

■ 41.4576, 21.4430,
2.7813

■ 43.8068, 24.5907,
8.3455

■ 41.3504, 21.3041,
2.5129

■ 46.2960, 28.1136,
13.6618

■ 49.8255, 33.1950,
20.9348

■ 54.4932, 39.9877,
30.3300

■ 60.3858, 48.6260,
41.9955

67.5813, 59.2310,
56.0661

76.1515, 71.9133,
72.6658

86.1626, 86.7756,
91.9105

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.



47.4404, 22.4452, 21.4119



42.2431, 22.4452, 4.7952



31.4148, 22.4452, 0.7697

Triad

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



42.2431, 22.4452, 4.7952



8.1978, 22.4452, 6.8920



22.4565, 22.4452, 133.9501

Complementary

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



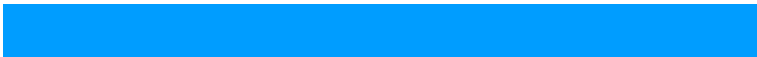
42.2431, 22.4452, 4.7952



51.9099, 78.0450, 94.0116

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.



13.6789, 22.4452, 116.3902



42.2431, 22.4452, 4.7952



7.1538, 22.4452, 27.7388

Square

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



42.2431, 22.4452, 4.7952



12.3059, 22.4452, 1.1465



8.7952, 22.4452, 69.8154



33.9551, 22.4452, 107.6685

Rectangle

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



42.2431, 22.4452, 4.7952



23.7229, 22.4452, 0.1190



8.7952, 22.4452, 69.8154



19.1102, 22.4452, 133.0165

Sweetspot

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



42.2436, 22.4466, 4.7955



69.0466, 61.3956, 58.9140



53.2441, 26.0918, 96.8371



14.1942, 12.2776, 11.4726



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.



42.2436, 22.4466, 4.7955



41.3507, 21.3043, 2.5129



48.7391, 35.8622, 5.6516



18.0619, 18.0081, 18.9432



21.6256, 11.1395, 1.4130



2.1230, 1.0916, 0.2293

Inverse Universe

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



42.2436, 22.4466, 4.7955



41.3507, 21.3043, 2.5129



31.4796, 33.2393, 99.3638



18.0619, 18.0081, 18.9432



21.6256, 11.1395, 1.4130



2.1230, 1.0916, 0.2293

Previews

White Background



This preview shows how the XYZ color 42.2431, 22.4452, 4.7952 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



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 42.2431, 22.4452, 4.7952

Background



This preview shows how black text looks on a background with the XYZ color 42.2431, 22.4452, 4.7952.



This preview shows how white text looks on a background with the XYZ color 42.2431, 22.4452,

4.7952.

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

42.2431, 22.4452, 4.7952

Protanopia

20.7876, 22.6298, 9.4032

Deuteranopia

22.9112, 22.4892, 4.1106



Tritanopia

42.0464, 22.4978, 3.3547

Trichromacy



Original Color

42.2431, 22.4452, 4.7952

Protanomaly

24.7566, 18.7336, 7.0138

Deuteranomaly

27.2336, 19.4336, 3.8291

Tritanomaly

42.1023, 22.4751, 3.7882

Monochromacy



Original Color

42.2431, 22.4452, 4.7952

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

17.7116, 12.6942, 9.3013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2431, 22.4452, 4.7952 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, 31, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 47)  
}
```

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, 31, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 47) }
```

Border

The CSS property to change the border of an element to XYZ 42.2431, 22.4452, 4.7952 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, 31, 47) }
```


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

```
.border{ border-color:rgb(255, 31, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 31, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2431, 22.4452, 4.7952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 47) }
```

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

```
.background{ background-color: rgb(255, 31,  
47) }
```

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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