

Converting Colors

XYZ(42.7327, 22.5539, 7.6425)

Have a look what the booklet for
XYZ(42.7327, 22.5539, 7.6425)
contains.

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Color

**XYZ(42.7228, 22.5561,
7.5709)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1D44
RGB	255, 29, 68
RGB Percent	100%, 11%, 27%
CMY	0.0000, 0.8862, 0.7333
CMYK	0.00, 0.89, 0.73, 0.00
HSL	350°, 100%, 56%
HSV	350°, 89%, 100%
XYZ	42.7228, 22.5561, 7.5709
YIQ	101.0200, 122.1770, 60.0410

Conversions

Conversions Part 2

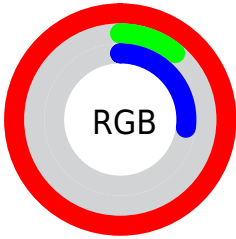
Format	Color
R_{YB}	255, 29, 68
Decimal	16719172
CIE _{Lab}	54.61, 78.65, 39.50
CIE _{LCh}	55, 88.011, 26.670
Yxy	22.5561, 0.5865, 0.3096
Android (android.graphics.Color)	4294909252 (0xFFFF1D44)
YUV	101.0200, -16.2789, 135.0405
Hunter-Lab	47.4933, 77.4574, 23.7939

Details

The XYZ color **42.7228, 22.5561, 7.5709** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **48.6659, 76.7407, 77.2336**, and the grayscale version is **12.3975, 13.0431, 14.2039**.

A 20% lighter version of the original color is **49.4440, 32.6241, 20.2141**, and **21.1617, 10.8890, 1.9061** is the 20% darker color. If you saturate the color by 10%, you get **41.7891, 21.5410, 4.6339**, and if you desaturate by 10%, it is **44.3913, 24.6709, 11.8962**.

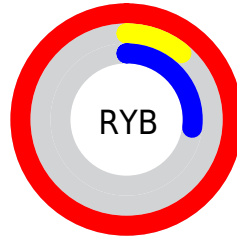
Distribution



Red (100%)

Green (11%)

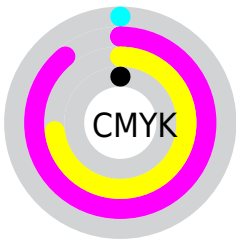
Blue (27%)



Red (100%)

Yellow (11%)

Blue (27%)

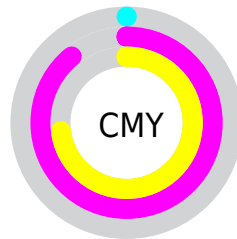


Cyan (0%)

Magenta (89%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7228, 22.5561, 7.5709 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 42.7228, 22.5561, 7.5709 by changing the saturation by 10% instead.


 42.7228, 22.5561,
7.5709


 42.7228, 22.5561,
7.5709


348.4114,
265.4368, 182.1336


 29.8613, 14.2661,
3.7378


 78.5507, 47.6634,
21.6449

 19.8809, 8.3060,
1.4826


 102.2478, 65.2495,
32.7230

 12.4162, 4.2913,
0.2049


 130.2874, 86.7030,
47.0531

 7.1020, 1.8378,
0.0000

 163.0350,
112.4085, 65.0538

 3.5729, 0.5106,
0.0000

 200.8558,
142.7502, 87.1437

 1.4635, 0.0000,
0.0000

244.1152,

 0.3008, 0.0000,

178.1125, 113.7413

0.0000

293.1787,
218.8799, 145.2651

■ 0.0000, 0.0000,
0.0000

■ 42.7228, 22.5561,
7.5709

■ 42.7228, 22.5561,
7.5709

■ 41.7891, 21.5410,
4.6339

■ 44.3913, 24.6709,
11.8962

■ 41.6939, 21.4415,
4.3216

■ 46.9364, 28.1321,
17.7668

■ 50.4632, 33.1186,
25.3151

■ 55.0614, 39.7813,
34.6587

■ 60.8101, 48.2525,
45.9042

67.7809, 58.6512,
59.1501

76.0396, 71.0865,
74.4875

85.6471, 85.6591,
92.0023

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.



45.8812, 22.5561, 27.7859



42.7228, 22.5561, 7.5709



33.3676, 22.5561, 1.5251

Triad

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



42.7228, 22.5561, 7.5709



9.3518, 22.5561, 5.3791



20.3765, 22.5561, 125.3403

Complementary

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



42.7228, 22.5561, 7.5709



48.6659, 76.7407, 77.2336

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.



12.7575, 22.5561, 101.3542



42.7228, 22.5561, 7.5709



7.7162, 22.5561, 21.5936

Square

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



42.7228, 22.5561, 7.5709



14.1278, 22.5561, 1.0895



8.7440, 22.5561, 57.0632



30.9169, 22.5561, 109.5256

Rectangle

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



42.7228, 22.5561, 7.5709



26.0193, 22.5561, 0.5956



8.7440, 22.5561, 57.0632



17.4303, 22.5561, 121.3951

Sweetspot

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



42.7233, 22.5575, 7.5712



69.0263, 60.5194, 61.4836



46.0968, 22.3320, 96.4881



14.2196, 12.1218, 12.1180



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.



42.7233, 22.5575, 7.5712



41.6942, 21.4417, 4.3216



46.0757, 30.5763, 4.6378



18.1372, 18.0382, 19.3396



21.8231, 11.2185, 2.4527



2.1585, 1.1058, 0.4161

Inverse Universe

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



42.7233, 22.5575, 7.5712



41.6942, 21.4417, 4.3216



35.5825, 41.5316, 100.7482



18.1372, 18.0382, 19.3396



21.8231, 11.2185, 2.4527



2.1585, 1.1058, 0.4161

Previews

White Background



This preview shows how the XYZ color 42.7228, 22.5561, 7.5709 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 42.7228, 22.5561, 7.5709 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 42.7228, 22.5561, 7.5709

Background



This preview shows how black text looks on a background with the XYZ color 42.7228, 22.5561, 7.5709.

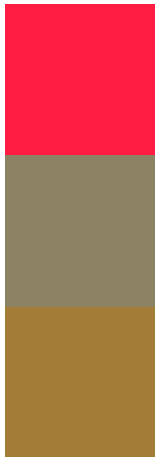


This preview shows how white text looks on a background with the XYZ color 42.7228, 22.5561,

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

42.7228, 22.5561, 7.5709

Protanopia

21.2318, 22.7281, 15.3245

Deuteranopia

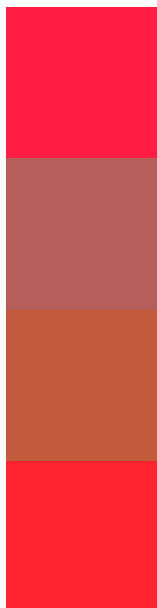
23.1275, 22.7296, 6.7827



Tritanopia

41.8549, 22.5726, 3.6643

Trichromacy



Original Color

42.7228, 22.5561, 7.5709

Protanomaly

25.0556, 18.6551, 11.5127

Deuteranomaly

27.2367, 19.3743, 6.5791

Tritanomaly

41.9672, 22.4702, 4.7100

Monochromacy



Original Color

42.7228, 22.5561, 7.5709

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

18.2239, 12.9215, 10.9848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7228, 22.5561, 7.5709 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, 29, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 68)  
}
```

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, 29, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 68) }
```

Border

The CSS property to change the border of an element to XYZ 42.7228, 22.5561, 7.5709 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, 29, 68) }
```


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

```
.border{ border-color:rgb(255, 29, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 29, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7228, 22.5561, 7.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 29, 68) }
```

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

```
.background{ background-color: rgb(255, 29,  
68) }
```

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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