

Converting Colors

XYZ(42.8736, 22.4940, 8.7537)

Have a look what the booklet for
XYZ(42.8736, 22.4940, 8.7537)
contains.

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Color

**XYZ(42.8794, 22.5068,
8.7409)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1A4B
RGB	255, 26, 75
RGB Percent	100%, 10%, 29%
CMY	0.0000, 0.8979, 0.7059
CMYK	0.00, 0.90, 0.71, 0.00
HSL	347°, 100%, 55%
HSV	347°, 90%, 100%
XYZ	42.8794, 22.5068, 8.7409
YIQ	100.0570, 120.7550, 63.7870

Conversions

Conversions Part 2

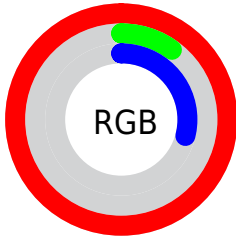
Format	Color
R _Y B	255, 26, 75
Decimal	16718411
CIE Lab	54.56, 79.34, 35.38
CIE LCh	55, 86.868, 24.034
Yxy	22.5068, 0.5785, 0.3036
Android (android.graphics.Color)	4294908491 (0xFFFF1A4B)
YUV	100.0570, -12.3531, 135.8850
Hunter-Lab	47.4413, 78.3132, 22.2850

Details

The XYZ color **42.8794, 22.5068, 8.7409** 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 **47.3313, 76.1975, 70.6269**, and the grayscale version is **12.1411, 12.7734, 13.9103**.

A 20% lighter version of the original color is **49.8284, 32.6159, 22.7380**, and **21.2470, 10.9231, 2.3550** is the 20% darker color. If you saturate the color by 10%, you get **41.9340, 21.5469, 5.5574**, and if you desaturate by 10%, it is **44.5148, 24.5016, 13.2208**.

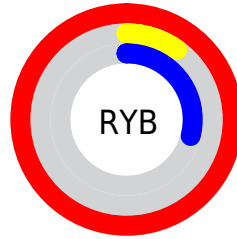
Distribution



Red (100%)

Green (10%)

Blue (29%)



Red (100%)

Yellow (10%)

Blue (29%)

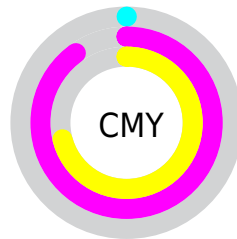


Cyan (0%)

Magenta (90%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8794, 22.5068, 8.7409 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 42.8794, 22.5068, 8.7409 by changing the saturation by 10% instead.

 42.8794, 22.5068,
8.7409


 42.8794, 22.5068,
8.7409


349.0455,
265.1816, 191.5794


 29.9846, 14.2298,
4.4781


 78.7857, 47.5822,
23.9683

 19.9749, 8.2806,
1.8911


 102.5279, 65.1494,
35.7700


 12.4850, 4.2750,
0.4871


 130.6166, 86.5820,
50.9217

 7.1494, 1.8286,
0.0000

 163.4172,
112.2646, 69.8419

 3.6029, 0.5049,
0.0000

 201.2951,
142.5814, 92.9493

 1.4800, 0.0000,
0.0000

244.6155,

 0.3122, 0.0000,

177.9169, 120.6623

0.0000

293.7438,
218.6555, 153.3995

■ 0.0000, 0.0000,
0.0000

■ 42.8794, 22.5068,
8.7409

■ 42.8794, 22.5068,
8.7409

■ 41.9340, 21.5469,
5.5574

■ 44.5148, 24.5016,
13.2208

■ 41.9182, 21.5312,
5.5027

■ 46.9959, 27.8125,
19.1393

■ 50.4269, 32.6213,
26.6123

■ 54.8955, 39.0801,
35.7426

■ 60.4795, 47.3221,
46.6243

67.2488, 57.4667,
59.3438

75.2676, 69.6232,
73.9819

84.5955, 83.8924,
90.6145

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.



45.2917, 22.5068, 30.3775



42.8794, 22.5068, 8.7409



34.0641, 22.5068, 1.8427

Triad

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



42.8794, 22.5068, 8.7409



9.7218, 22.5068, 4.7972



19.5428, 22.5068, 122.5735

Complementary

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



42.8794, 22.5068, 8.7409



47.3313, 76.1975, 70.6269

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.



12.3316, 22.5068, 96.2787



42.8794, 22.5068, 8.7409



7.8499, 22.5068, 19.4446

Square

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



42.8794, 22.5068, 8.7409



14.7615, 22.5068, 1.0315



8.6385, 22.5068, 52.7065



29.7594, 22.5068, 110.5133

Rectangle

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



42.8794, 22.5068, 8.7409



26.8405, 22.5068, 0.7378



8.6385, 22.5068, 52.7065



16.7358, 22.5068, 117.5526

Sweetspot

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



42.8799, 22.5082, 8.7412



69.3583, 60.6522, 63.2322



43.7047, 20.9950, 96.3560



14.2960, 12.1524, 12.5203



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.



42.8799, 22.5082, 8.7412



41.9185, 21.5314, 5.5027



45.1598, 28.8011, 4.1583



18.1683, 18.0506, 19.5035



21.9473, 11.2682, 3.1069



2.1749, 1.1123, 0.5026

Inverse Universe

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



42.8799, 22.5082, 8.7412



41.9185, 21.5314, 5.5027



36.9175, 44.3216, 101.2163



18.1683, 18.0506, 19.5035



21.9473, 11.2682, 3.1069



2.1749, 1.1123, 0.5026

Previews

White Background



This preview shows how the XYZ color 42.8794, 22.5068, 8.7409 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 42.8794, 22.5068, 8.7409

Background



This preview shows how black text looks on a background with the XYZ color 42.8794, 22.5068, 8.7409.



This preview shows how white text looks on a background with the XYZ color 42.8794, 22.5068,

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

42.8794, 22.5068, 8.7409

Protanopia

21.4120, 22.7617, 18.0168

Deuteranopia

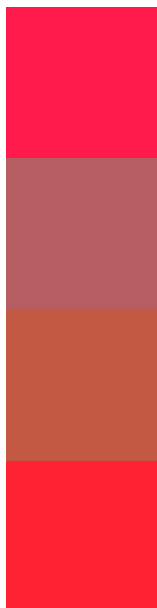
23.1311, 22.7075, 7.8665



Tritanopia

41.8695, 22.5784, 3.7414

Trichromacy



Original Color

42.8794, 22.5068, 8.7409

Protanomaly

25.1281, 18.5155, 13.5587

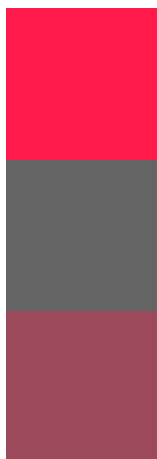
Deuteranomaly

27.3504, 19.2858, 7.5912

Tritanomaly

42.0208, 22.4452, 5.1352

Monochromacy



Original Color

42.8794, 22.5068, 8.7409

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

17.9812, 12.5883, 11.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8794, 22.5068, 8.7409 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, 26, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 75)  
}
```

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, 26, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 75) }
```

Border

The CSS property to change the border of an element to XYZ 42.8794, 22.5068, 8.7409 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, 26, 75) }
```


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

```
.border{ border-color:rgb(255, 26, 75) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8794, 22.5068, 8.7409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 75) }
```

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

```
.background{ background-color: rgb(255, 26,  
75) }
```

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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