

Converting Colors

XYZ(42.9030, 22.1489, 20.5642)

Have a look what the booklet for
XYZ(42.9030, 22.1489, 20.5642)
contains.

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Color

**XYZ(42.8862, 22.1577,
20.4289)**

Conversions

Conversions Part 1

Format	Color
Hex	F9177A
RGB	249, 23, 122
RGB Percent	98%, 9%, 48%
CMY	0.0235, 0.9097, 0.5216
CMYK	0.00, 0.91, 0.51, 0.02
HSL	334°, 95%, 53%
HSV	334°, 91%, 98%
XYZ	42.8862, 22.1577, 20.4289
YIQ	101.8600, 102.9170, 78.7010

Conversions

Conversions Part 2

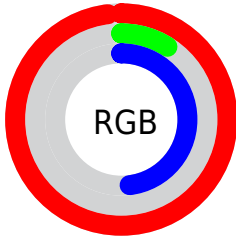
Format	Color
R_{YB}	249, 23, 122
Decimal	16324474
CIE _{Lab}	54.19, 80.94, 6.53
CIE _{LCh}	54, 81.201, 4.611
Yxy	22.1577, 0.5018, 0.2592
Android (android.graphics.Color)	4294514554 (0xFFFF9177A)
YUV	101.8600, 9.9290, 129.0418
Hunter-Lab	47.0720, 80.2514, 7.2189

Details

The XYZ color **42.8862, 22.1577, 20.4289** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **39.7375, 70.1368, 40.3121**, and the grayscale version is **12.5537, 13.2075, 14.3829**.

A 20% lighter version of the original color is **53.7302, 34.0165, 43.7783**, and **21.4857, 10.9335, 7.4565** is the 20% darker color. If you saturate the color by 10%, you get **41.8300, 21.2450, 16.3792**, and if you desaturate by 10%, it is **44.5647, 24.0257, 25.5793**.

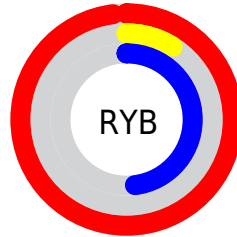
Distribution



Red (98%)

Green (9%)

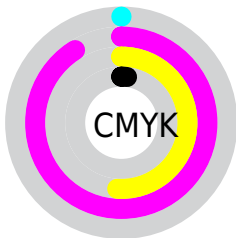
Blue (48%)



Red (98%)

Yellow (9%)

Blue (48%)

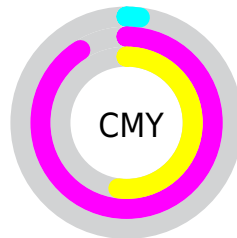


Cyan (0%)

Magenta (91%)

Yellow (51%)

Black (2%)



Cyan (2%)

Magenta (91%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8862, 22.1577, 20.4289 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 42.8862, 22.1577, 20.4289 by changing the saturation by 10% instead.


 42.8862, 22.1577,
20.4289


 42.8862, 22.1577,
20.4289


349.0730,
263.3687, 266.9083


 29.9900, 13.9728,
12.5200


 78.7959, 47.0065,
45.0035


 19.9790, 8.1018,
6.9721


 102.5401, 64.4392,
62.5063


 12.4880, 4.1601,
3.3665


 130.6309, 85.7233,
84.0442

 7.1515, 1.7635,
1.2847

 163.4338,
111.2432, 110.0356

 3.6042, 0.4643,
0.0492

 201.3141,
141.3833, 140.8992

 1.4807, 0.0000,
0.0000

244.6372,

 0.3127, 0.0000,

176.5280, 177.0535

0.0000

293.7684,
217.0617, 218.9170

■ 0.0000, 0.0000,
0.0000

■ 42.8862, 22.1577,
20.4289

■ 42.8862, 22.1577,
20.4289

■ 41.8300, 21.2450,
16.3792

■ 44.5647, 24.0257,
25.5793

■ 46.9427, 27.0848,
31.6035

■ 50.1092, 31.5053,
38.5546

■ 54.1383, 37.4287,
46.4794

■ 59.0954, 44.9785,
55.4207

65.0389, 54.2653,
65.4184

72.0225, 65.3898,
76.5096

80.0957, 78.4452,
88.7295

89.3046, 93.5181,
102.1115

Harmonies

Analogous

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



40.3932, 22.1577, 51.5117



42.8862, 22.1577, 20.4289



38.3253, 22.1577, 5.7194

Triad

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



42.8862, 22.1577, 20.4289



12.8226, 22.1577, 2.1663



14.5945, 22.1577, 99.9630

Complementary

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



42.8862, 22.1577, 20.4289



39.7375, 70.1368, 40.3121

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.



9.9603, 22.1577, 63.5563



42.8862, 22.1577, 20.4289



9.1555, 22.1577, 8.7200

Square

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



42.8862, 22.1577, 20.4289



19.7263, 22.1577, 0.8739



8.2769, 22.1577, 28.2442



22.4530, 22.1577, 112.1189

Rectangle

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



42.8862, 22.1577, 20.4289



32.4854, 22.1577, 2.2430



8.2769, 22.1577, 28.2442



12.6875, 22.1577, 89.3183

Sweetspot

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



42.8868, 22.1590, 20.4292



71.2646, 61.4147, 73.2702



29.4952, 13.6860, 90.7093



14.7387, 12.3295, 14.8518



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.



42.8868, 22.1590, 20.4292



44.1469, 22.4228, 17.2377



39.8034, 21.3649, 2.8384



17.5604, 17.3515, 19.5406



22.4596, 11.3995, 9.1284



2.1324, 1.0767, 1.1205

Inverse Universe

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



42.8868, 22.1590, 20.4292



44.1469, 22.4228, 17.2377



47.9407, 67.9975, 100.2203



17.5604, 17.3515, 19.5406



22.4596, 11.3995, 9.1284



2.1324, 1.0767, 1.1205

Previews

White Background



This preview shows how the XYZ color 42.8862, 22.1577, 20.4289 looks on a white background.

Color Contrast Check

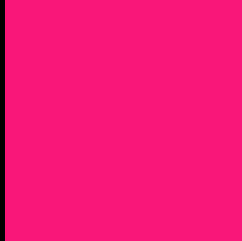
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8862, 22.1577, 20.4289 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 42.8862, 22.1577, 20.4289

Background



This preview shows how black text looks on a background with the XYZ color 42.8862, 22.1577, 20.4289.



This preview shows how white text looks on a background with the XYZ color 42.8862, 22.1577,

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

42.8862, 22.1577, 20.4289

Protanopia

22.9615, 22.6081, 43.1980

Deuteranopia

22.6527, 22.2266, 18.4255



Tritanopia

39.8539, 22.2967, 5.4520

Trichromacy



Original Color

42.8862, 22.1577, 20.4289



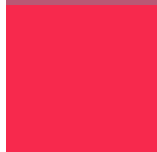
Protanomaly

25.2984, 17.7859, 33.1100



Deuteranomaly

26.6497, 18.5547, 18.6998



Tritanomaly

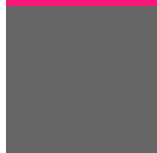
40.4903, 21.8959, 9.1134

Monochromacy



Original Color

42.8862, 22.1577, 20.4289



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

18.6604, 12.8378, 15.9624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8862, 22.1577, 20.4289 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(249, 23, 122)` looks like.

```
.text, #text, p{  
    color:rgb(249, 23, 122)  
}
```

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(249, 23, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 23, 122) }
```

Border

The CSS property to change the border of an element to XYZ 42.8862, 22.1577, 20.4289 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(249, 23, 122) }
```


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

```
.border{ border-color:rgb(249, 23, 122) }
```

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

Here you see how a box with a 4 pixel rgb(249, 23, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 23, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 23, 122);  
box-shadow:4px 4px 4px 4px rgb(249, 23,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8862, 22.1577, 20.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 23, 122) }
```

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

```
.background{ background-color: rgb(249, 23,  
122) }
```

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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