

Converting Colors

XYZ(42.9761, 22.3911, 15.0470)

Have a look what the booklet for
XYZ(42.9761, 22.3911, 15.0470)
contains.

XYZ(42.9912, 22.3902, 15.1526)	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(42.9912, 22.3902,
15.1526)**

Conversions

Conversions Part 1

Format	Color
Hex	FC1968
RGB	252, 25, 104
RGB Percent	99%, 10%, 41%
CMY	0.0118, 0.9018, 0.5922
CMYK	0.00, 0.90, 0.59, 0.01
HSL	339°, 97%, 54%
HSV	339°, 90%, 99%
XYZ	42.9912, 22.3902, 15.1526
YIQ	101.8790, 109.9330, 72.6930

Conversions

Conversions Part 2

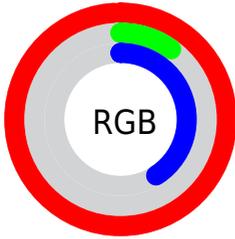
Format	Color
R_{YB}	252, 25, 104
Decimal	16521576
CIE _{Lab}	54.44, 80.20, 17.80
CIE _{LCh}	54, 82.148, 12.516
Yxy	22.3902, 0.5338, 0.2780
Android (android.graphics.Color)	4294711656 (0xFFFC1968)
YUV	101.8790, 1.0457, 131.6561
Hunter-Lab	47.3183, 79.3698, 14.1365

Details

The XYZ color **42.9912, 22.3902, 15.1526** 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 **42.7580, 72.8460, 51.3593**, and the grayscale version is **12.5796, 13.2348, 14.4127**.

A 20% lighter version of the original color is **52.1067, 33.5272, 34.7354**, and **21.5028, 10.9969, 4.9923** is the 20% darker color. If you saturate the color by 10%, you get **41.8927, 21.3946, 11.0839**, and if you desaturate by 10%, it is **44.7118, 24.3632, 20.2533**.

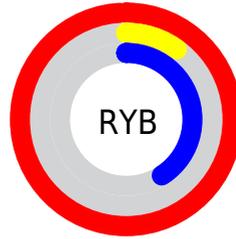
Distribution



Red (99%)

Green (10%)

Blue (41%)



Red (99%)

Yellow (10%)

Blue (41%)

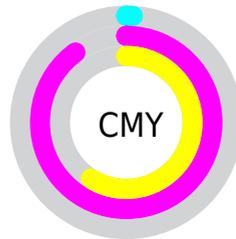


Cyan (0%)

Magenta (90%)

Yellow (59%)

Black (1%)



Cyan (1%)

Magenta (90%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9912, 22.3902, 15.1526 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 42.9912, 22.3902, 15.1526 by changing the saturation by 10% instead.

 42.9912, 22.3902,
15.1526

 42.9912, 22.3902,
15.1526

349.4977,
264.5773, 235.9605

 30.0727, 14.1439,
8.7787

 78.9534, 47.3901,
35.8667

 20.0421, 8.2208,
4.5023

 102.7278, 64.9124,
51.0441

 12.5341, 4.2366,
1.9048

 130.8515, 86.2956,
69.9931

 7.1833, 1.8068,
0.4958

 163.6899,
111.9239, 93.1321

 3.6243, 0.4914,
0.0000

 201.6084,
142.1819, 120.8799

 1.4919, 0.0000,
0.0000

244.9723,

 0.3203, 0.0000,

177.4538, 153.6548

0.0000

294.1469,
218.1242, 191.8755

■ 0.0000, 0.0000,
0.0000

■ 42.9912, 22.3902,
15.1526

■ 42.9912, 22.3902,
15.1526

■ 41.8927, 21.3946,
11.0839

■ 44.7118, 24.3632,
20.2533

■ 47.1960, 27.5889,
26.4539

■ 50.5373, 32.2416,
33.8256

■ 54.8145, 38.4668,
42.4322

■ 60.0970, 46.3917,
52.3319

66.4472, 56.1305,
63.5790

73.9224, 67.7873,
76.2245

82.5756, 81.4583,
90.3164

92.4565, 97.2334,
105.9004

Harmonies

Analogous

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



42.3750, 22.3902, 42.4671



42.9912, 22.3902, 15.1526



36.7217, 22.3902, 3.9005

Triad

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



42.9912, 22.3902, 15.1526



11.6119, 22.3902, 3.0735



16.5019, 22.3902, 108.5554

Complementary

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



42.9912, 22.3902, 15.1526



42.7580, 72.8460, 51.3593

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.



10.9192, 22.3902, 75.4238



42.9912, 22.3902, 15.1526



8.6914, 22.3902, 12.3320

Square

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



42.9912, 22.3902, 15.1526



17.7528, 22.3902, 0.9553



8.4798, 22.3902, 36.7490



25.2486, 22.3902, 111.5867

Rectangle

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



42.9912, 22.3902, 15.1526



30.2900, 22.3902, 1.5593



8.4798, 22.3902, 36.7490



14.2633, 22.3902, 99.8721

Sweetspot

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



42.9917, 22.3916, 15.1529



70.4764, 61.0994, 69.1198



35.0558, 16.5593, 93.4436



14.5548, 12.2560, 13.8835



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.



42.9917, 22.3916, 15.1529



43.0314, 21.9766, 11.3635



41.8885, 23.9018, 3.3274



17.4939, 17.3249, 19.1907



21.8851, 11.1698, 6.1032



2.0749, 1.0537, 0.8178

Inverse Universe

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



42.9917, 22.3916, 15.1529



43.0314, 21.9766, 11.3635



43.0320, 57.3546, 100.8975



17.4939, 17.3249, 19.1907



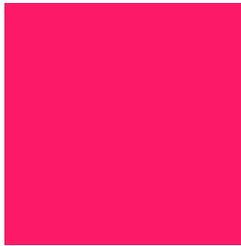
21.8851, 11.1698, 6.1032



2.0749, 1.0537, 0.8178

Previews

White Background



This preview shows how the XYZ color 42.9912, 22.3902, 15.1526 looks on a white background.

Color Contrast Check

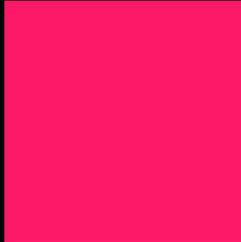
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9912, 22.3902, 15.1526 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 42.9912, 22.3902, 15.1526

Background



This preview shows how black text looks on a background with the XYZ color 42.9912, 22.3902, 15.1526.



This preview shows how white text looks on a background with the XYZ color 42.9912, 22.3902,

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

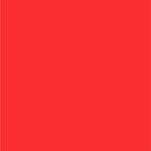
42.9912, 22.3902, 15.1526

Protanopia

22.3095, 22.7244, 31.6442

Deuteranopia

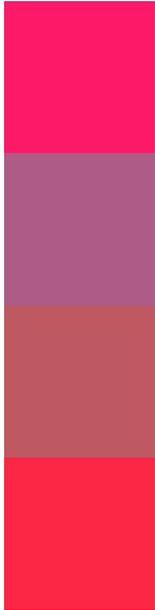
22.8716, 22.4439, 13.7163



Tritanopia

40.8945, 22.4752, 4.7675

Trichromacy



Original Color

42.9912, 22.3902, 15.1526

Protanomaly

25.2944, 18.2320, 24.3763

Deuteranomaly

27.0122, 18.9737, 13.7939

Tritanomaly

41.4899, 22.3007, 7.4279

Monochromacy



Original Color

42.9912, 22.3902, 15.1526

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

18.8016, 13.0449, 14.3589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9912, 22.3902, 15.1526 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(252, 25, 104)` looks like.

```
.text, #text, p{  
    color:rgb(252, 25, 104)  
}
```

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(252, 25, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 25, 104) }
```

Border

The CSS property to change the border of an element to XYZ 42.9912, 22.3902, 15.1526 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(252, 25, 104) }
```


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

```
.border{ border-color:rgb(252, 25, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 25, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 25, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 25, 104);  
box-shadow:4px 4px 4px 4px rgb(252, 25,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9912, 22.3902, 15.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 25, 104) }
```

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

```
.background{ background-color: rgb(252, 25,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor