

Converting Colors

XYZ(42.6752, 22.1763, 8.4324)

Have a look what the booklet for
XYZ(42.6752, 22.1763, 8.4324)
contains.

XYZ(42.6923, 22.1870, 8.5110)	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(42.6923, 22.1870,
8.5110)**

Conversions

Conversions Part 1

Format	Color
Hex	FF124A
RGB	255, 18, 74
RGB Percent	100%, 7%, 29%
CMY	0.0000, 0.9292, 0.7098
CMYK	0.00, 0.93, 0.71, 0.00
HSL	346°, 100%, 54%
HSV	346°, 93%, 100%
XYZ	42.6923, 22.1870, 8.5110
YIQ	95.2470, 123.2760, 67.6600

Conversions

Conversions Part 2

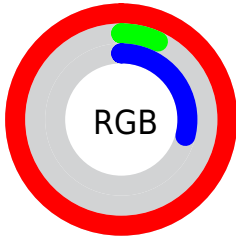
Format	Color
R_{YB}	255, 18, 74
Decimal	16716362
CIE Lab	54.22, 80.23, 35.56
CIE LCh	54, 87.755, 23.907
Yxy	22.1870, 0.5817, 0.3023
Android (android.graphics.Color)	4294906442 (0xFFFF124A)
YUV	95.2470, -10.4748, 140.1034
Hunter-Lab	47.1031, 79.3547, 22.2591

Details

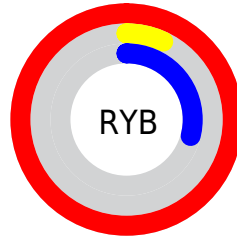
The XYZ color **42.6923, 22.1870, 8.5110** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **46.3241, 75.7741, 66.2448**, and the grayscale version is **10.9460, 11.5161, 12.5410**.

A 20% lighter version of the original color is **49.5042, 32.1679, 22.0122**, and **21.2336, 10.9177, 2.2845** is the 20% darker color. If you saturate the color by 10%, you get **42.0610, 21.5884, 6.2550**, and if you desaturate by 10%, it is **44.1206, 23.8264, 12.7411**.

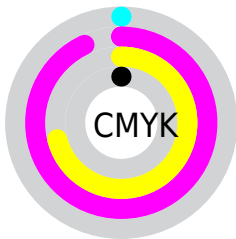
Distribution



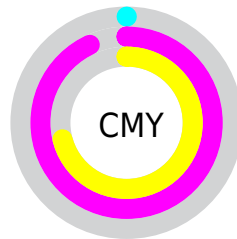
- Red (100%)
- Green (7%)
- Blue (29%)



- Red (100%)
- Yellow (7%)
- Blue (29%)



- Cyan (0%)
- Magenta (93%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6923, 22.1870, 8.5110 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 42.6923, 22.1870, 8.5110 by changing the saturation by 10% instead.

 42.6923, 22.1870,
8.5110


 42.6923, 22.1870,
8.5110


348.2878,
263.5213, 189.7686


 29.8372, 13.9944,
4.3312


 78.5049, 47.0549,
23.5168


 19.8625, 8.1167,
1.8087


 102.1932, 64.4989,
35.1798

 12.4028, 4.1697,
0.4337


 130.2233, 85.7955,
50.1744

 7.0928, 1.7690,
0.0000

 162.9605,
111.3291, 68.9190

 3.5671, 0.4677,
0.0000

 200.7702,
141.4841, 91.8322

 1.4602, 0.0000,
0.0000

244.0177,

 0.2985, 0.0000,

176.6449, 119.3325

0.0000

293.0685,
217.1958, 151.8385

■ 0.0000, 0.0000,
0.0000

■ 42.6923, 22.1870,
8.5110

■ 42.6923, 22.1870,
8.5110

■ 42.0610, 21.5884,
6.2550

■ 44.1206, 23.8264,
12.7411

■ 46.3489, 26.7131,
18.3235

■ 49.4859, 31.0407,
25.3697

■ 53.6222, 36.9682,
33.9783

■ 58.8370, 44.6333,
44.2386

65.2011, 54.1591,
56.2331

72.7795, 65.6572,
70.0384

81.6320, 79.2304,
85.7266

91.8144, 94.9746,
103.3658

Harmonies

Analogous

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



45.0883, 22.1870, 30.1729



42.6923, 22.1870, 8.5110



33.8431, 22.1870, 1.7183

Triad

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



42.6923, 22.1870, 8.5110



9.4682, 22.1870, 4.5457



19.2007, 22.1870, 123.0741

Complementary

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



42.6923, 22.1870, 8.5110



46.3241, 75.7741, 66.2448

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.



12.0237, 22.1870, 96.3162



42.6923, 22.1870, 8.5110



7.6028, 22.1870, 19.0006

Square

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



42.6923, 22.1870, 8.5110



14.4943, 22.1870, 0.9274



8.3720, 22.1870, 52.3100



29.4285, 22.1870, 111.0252

Rectangle

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



42.6923, 22.1870, 8.5110



26.5916, 22.1870, 0.6414



8.3720, 22.1870, 52.3100



16.4017, 22.1870, 117.9317

Sweetspot

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



42.6928, 22.1884, 8.5113



68.7767, 59.5667, 62.7987



40.9698, 19.3578, 96.1841



14.0468, 11.7296, 12.2046



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.



42.6928, 22.1884, 8.5113



42.0613, 21.5885, 6.2550



44.0231, 26.6514, 3.3982



18.1851, 18.0574, 19.5921



22.0256, 11.2995, 3.5191



2.1847, 1.1163, 0.5543

Inverse Universe

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



42.6928, 22.1884, 8.5113



42.0613, 21.5885, 6.2550



37.9863, 46.7211, 101.6230



18.1851, 18.0574, 19.5921



22.0256, 11.2995, 3.5191



2.1847, 1.1163, 0.5543

Previews

White Background



This preview shows how the XYZ color 42.6923, 22.1870, 8.5110 looks on a white background.

Color Contrast Check

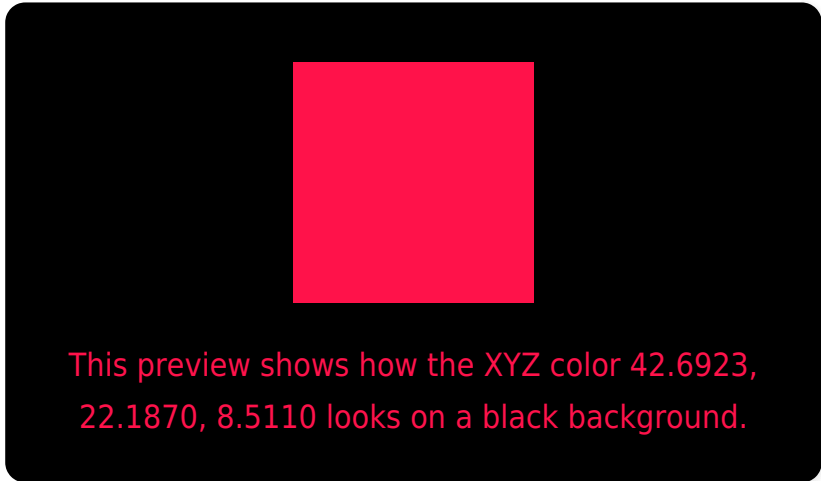
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6923, 22.1870, 8.5110

Background



This preview shows how black text looks on a background with the XYZ color 42.6923, 22.1870, 8.5110.



This preview shows how white text looks on a background with the XYZ color 42.6923, 22.1870,

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

42.6923, 22.1870, 8.5110

Protanopia

21.0595, 22.3878, 17.6793

Deuteranopia

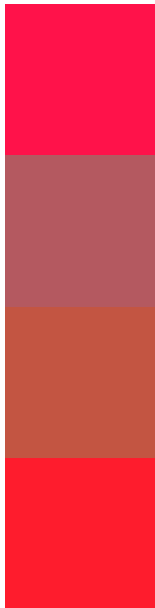
22.7479, 22.3293, 7.5259



Tritanopia

41.6668, 22.3036, 3.2713

Trichromacy



Original Color

42.6923, 22.1870, 8.5110

Protanomaly

24.5061, 17.6926, 13.1897

Deuteranomaly

26.7375, 18.4924, 7.3144

Tritanomaly

41.7620, 22.0908, 4.5455

Monochromacy



Original Color

42.6923, 22.1870, 8.5110

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

16.8643, 11.4747, 10.3428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6923, 22.1870, 8.5110 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, 18, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 74)  
}
```

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, 18, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 74) }
```

Border

The CSS property to change the border of an element to XYZ 42.6923, 22.1870, 8.5110 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, 18, 74) }
```


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

```
.border{ border-color:rgb(255, 18, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6923, 22.1870, 8.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 74) }
```

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

```
.background{ background-color: rgb(255, 18,  
74) }
```

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