

Converting Colors

XYZ(42.8836, 22.1222, 9.9542)

Have a look what the booklet for
XYZ(42.8836, 22.1222, 9.9542)
contains.

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Color

**XYZ(42.8945, 22.1321,
9.9938)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0C52
RGB	255, 12, 82
RGB Percent	100%, 5%, 32%
CMY	0.0000, 0.9527, 0.6784
CMYK	0.00, 0.95, 0.68, 0.00
HSL	343°, 100%, 52%
HSV	343°, 95%, 100%
XYZ	42.8945, 22.1321, 9.9938
YIQ	92.6370, 122.3580, 73.2860

Conversions

Conversions Part 2

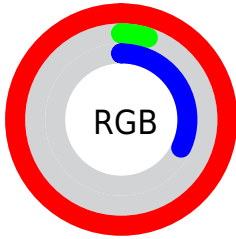
Format	Color
R_{YB}	255, 12, 82
Decimal	16714834
CIE _{Lab}	54.17, 81.08, 30.76
CIE _{LCh}	54, 86.718, 20.776
Yxy	22.1321, 0.5718, 0.2950
Android (android.graphics.Color)	4294904914 (0xFFFF0C52)
YUV	92.6370, -5.2440, 142.3924
Hunter-Lab	47.0448, 80.4245, 20.3363

Details

The XYZ color **42.8945, 22.1321, 9.9938** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **44.6754, 75.1035, 58.0729**, and the grayscale version is **10.3193, 10.8567, 11.8230**.

A 20% lighter version of the original color is **49.8939, 32.0130, 25.0222**, and **21.3361, 10.9588, 2.8244** is the 20% darker color. If you saturate the color by 10%, you get **42.4562, 21.7464, 8.3352**, and if you desaturate by 10%, it is **44.2269, 23.5413, 14.3099**.

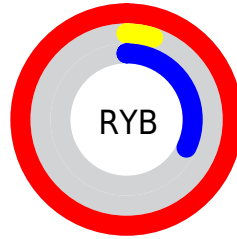
Distribution



Red (100%)

Green (5%)

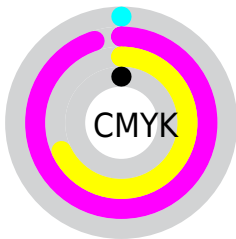
Blue (32%)



Red (100%)

Yellow (5%)

Blue (32%)

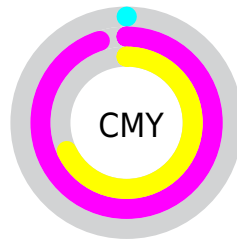


Cyan (0%)

Magenta (95%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8945, 22.1321, 9.9938 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 42.8945, 22.1321, 9.9938 by changing the saturation by 10% instead.


 42.8945, 22.1321,
9.9938


 42.8945, 22.1321,
9.9938

349.1066,
263.2354, 201.1110


 29.9965, 13.9540,
5.2893


 78.8083, 46.9642,
26.3915

 19.9840, 8.0887,
2.3563


 102.5549, 64.3871,
38.9217


 12.4916, 4.1517,
0.7625


 130.6484, 85.6602,
54.8976

 7.1540, 1.7588,
0.0000

 163.4541,
111.1682, 74.7377

 3.6058, 0.4613,
0.0000

 201.3374,
141.2953, 98.8606

 1.4816, 0.0000,
0.0000

244.6637,

 0.3133, 0.0000,

176.4259, 127.6847

0.0000

293.7983,
216.9445, 161.6287

■ 0.0000, 0.0000,
0.0000

■ 42.8945, 22.1321,
9.9938

■ 42.8945, 22.1321,
9.9938

■ 42.4562, 21.7464,
8.3352

■ 44.2269, 23.5413,
14.3099

■ 46.3095, 26.1370,
19.8429

■ 49.2535, 30.1226,
26.6887

■ 53.1495, 35.6621,
34.9321

■ 58.0764, 42.8965,
44.6494

■ 64.1043, 51.9508,
55.9115

■ 71.2969, 62.9382,
68.7841

■ 79.7131, 75.9626,
83.3291

■ 89.4076, 91.1204,
99.6050

Harmonies

Analogous

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



44.4283, 22.1321, 33.3955



42.8945, 22.1321, 9.9938



34.6780, 22.1321, 2.1192

Triad

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



42.8945, 22.1321, 9.9938



9.9014, 22.1321, 3.9381



18.2668, 22.1321, 119.9775

Complementary

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



42.8945, 22.1321, 9.9938



44.6754, 75.1035, 58.0729

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.



11.5430, 22.1321, 90.6626



42.8945, 22.1321, 9.9938



7.7533, 22.1321, 16.7095

Square

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



42.8945, 22.1321, 9.9938



15.2481, 22.1321, 0.8608



8.2480, 22.1321, 47.5504



28.1294, 22.1321, 112.2766

Rectangle

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



42.8945, 22.1321, 9.9938



27.5738, 22.1321, 0.8046



8.2480, 22.1321, 47.5504



15.6229, 22.1321, 113.6217

Sweetspot

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



42.8950, 22.1335, 9.9941



68.4750, 58.6085, 63.7919



37.5012, 17.4437, 95.9977



14.0093, 11.5573, 12.4918



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.



42.8950, 22.1335, 9.9941



42.4564, 21.7465, 8.3352



42.9565, 24.5865, 2.8313



18.2244, 18.0731, 19.7988



22.2398, 11.3852, 4.6474



2.2102, 1.1265, 0.6885

Inverse Universe

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



42.8950, 22.1335, 9.9941



42.4564, 21.7465, 8.3352



40.3728, 51.6395, 102.4469



18.2244, 18.0731, 19.7988



22.2398, 11.3852, 4.6474



2.2102, 1.1265, 0.6885

Previews

White Background



This preview shows how the XYZ color 42.8945, 22.1321, 9.9938 looks on a white background.

Color Contrast Check

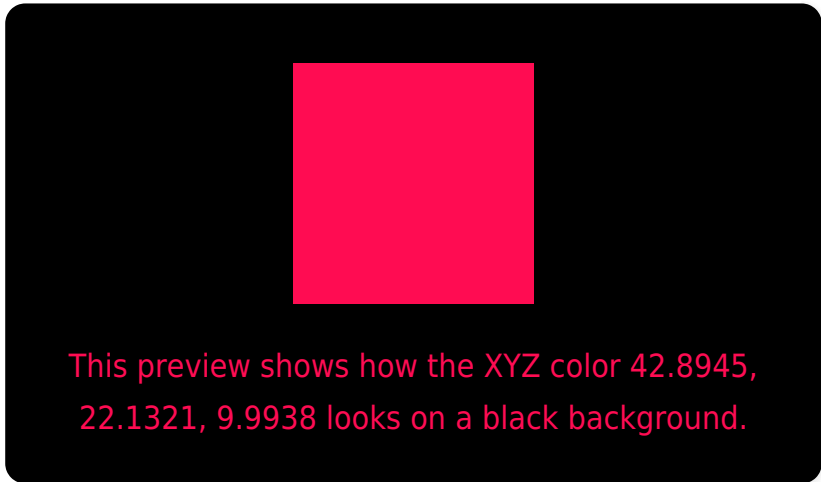
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8945, 22.1321, 9.9938

Background



This preview shows how black text looks on a background with the XYZ color 42.8945, 22.1321, 9.9938.



This preview shows how white text looks on a background with the XYZ color 42.8945, 22.1321,

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

42.8945, 22.1321, 9.9938

Protanopia

21.4255, 22.4966, 21.3022

Deuteranopia

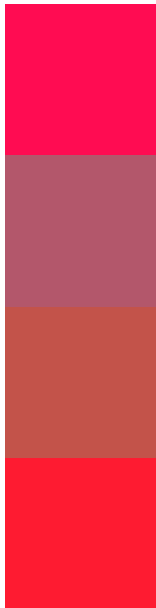
22.8103, 22.3311, 8.9024



Tritanopia

41.7084, 22.3666, 3.3472

Trichromacy



Original Color

42.8945, 22.1321, 9.9938

Protanomaly

24.6524, 17.4616, 15.9810

Deuteranomaly

26.8350, 18.2830, 8.5932

Tritanomaly

41.8194, 22.0764, 4.9628

Monochromacy



Original Color

42.8945, 22.1321, 9.9938

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

16.5855, 11.0635, 10.7125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8945, 22.1321, 9.9938 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, 12, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 82)  
}
```

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, 12, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 82) }
```

Border

The CSS property to change the border of an element to XYZ 42.8945, 22.1321, 9.9938 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, 12, 82) }
```


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

```
.border{ border-color:rgb(255, 12, 82) }
```

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

Here you see how a box with a 4 pixel rgb(255, 12, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 12,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8945, 22.1321, 9.9938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 82) }
```

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

```
.background{ background-color: rgb(255, 12,  
82) }
```

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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