

Converting Colors

XYZ(42.7858, 22.0555, 9.5242)

Have a look what the booklet for
XYZ(42.7858, 22.0555, 9.5242)
contains.

XYZ(42.7965, 22.0563, 9.5911)	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(42.7965, 22.0563,
9.5911)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0A50
RGB	255, 10, 80
RGB Percent	100%, 4%, 31%
CMY	0.0000, 0.9605, 0.6863
CMYK	0.00, 0.96, 0.69, 0.00
HSL	343°, 100%, 52%
HSV	343°, 96%, 100%
XYZ	42.7965, 22.0563, 9.5911
YIQ	91.2350, 123.5500, 73.7100

Conversions

Conversions Part 2

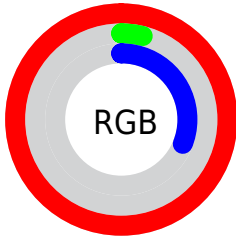
Format	Color
R _Y B	255, 10, 80
Decimal	16714320
CIE Lab	54.09, 81.13, 31.85
CIE LCh	54, 87.161, 21.434
Yxy	22.0563, 0.5749, 0.2963
Android (android.graphics.Color)	4294904400 (0xFFFF0A50)
YUV	91.2350, -5.5389, 143.6219
Hunter-Lab	46.9641, 80.4725, 20.7666

Details

The XYZ color **42.7965, 22.0563, 9.5911** 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 **44.6502, 75.0902, 58.0786**, and the grayscale version is **9.9989, 10.5196, 11.4559**.

A 20% lighter version of the original color is **49.7596, 31.9593, 24.3150**, and **21.3047, 10.9462, 2.6590** is the 20% darker color. If you saturate the color by 10%, you get **42.4358, 21.7383, 8.2286**, and if you desaturate by 10%, it is **44.0727, 23.3818, 13.8001**.

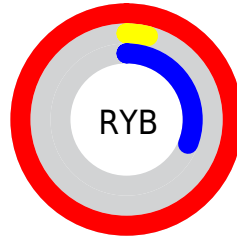
Distribution



Red (100%)

Green (4%)

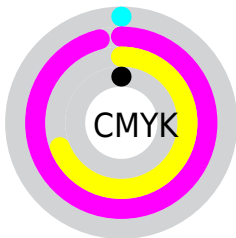
Blue (31%)



Red (100%)

Yellow (4%)

Blue (31%)

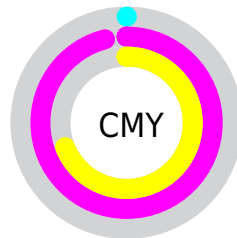


Cyan (0%)

Magenta (96%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7965, 22.0563, 9.5911 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 42.7965, 22.0563, 9.5911 by changing the saturation by 10% instead.


 42.7965, 22.0563,
9.5911

 42.7965, 22.0563,
9.5911


348.7099,
262.8401, 198.1059


 29.9193, 13.8983,
5.0267


 78.6613, 46.8390,
25.6192


 19.9251, 8.0499,
2.2039


 102.3796, 64.2325,
37.9199


 12.4486, 4.1269,
0.6766


 130.4424, 85.4733,
53.6365

 7.1243, 1.7448,
0.0000

 163.2149,
110.9457, 73.1874

 3.5870, 0.4524,
0.0000

 201.0626,
141.0343, 96.9913

 1.4712, 0.0000,
0.0000

244.3507,

 0.3061, 0.0000,

176.1232, 125.4666

0.0000

293.4447,
216.5971, 159.0320

■ 0.0000, 0.0000,
0.0000

■ 42.7965, 22.0563,
9.5911

■ 42.7965, 22.0563,
9.5911

■ 42.4358, 21.7383,
8.2286

■ 44.0727, 23.3818,
13.8001

■ 46.0903, 25.8762,
19.2227

■ 48.9625, 29.7468,
25.9571

■ 52.7815, 35.1599,
34.0890

■ 57.6268, 42.2581,
43.6964

63.5694, 51.1675,
54.8508

70.6735, 62.0022,
67.6190

78.9984, 74.8667,
82.0635

88.5992, 89.8580,
98.2435

Harmonies

Analogous

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



44.5127, 22.0563, 32.6175



42.7965, 22.0563, 9.5911



34.4326, 22.0563, 1.9908

Triad

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



42.7965, 22.0563, 9.5911



9.7361, 22.0563, 4.0028



18.3756, 22.0563, 120.7685

Complementary

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



42.7965, 22.0563, 9.5911



44.6502, 75.0902, 58.0786

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.



11.5644, 22.0563, 91.8713



42.7965, 22.0563, 9.5911



7.6532, 22.0563, 17.0769

Square

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



42.7965, 22.0563, 9.5911



15.0076, 22.0563, 0.8474



8.2035, 22.0563, 48.4509



28.3183, 22.0563, 112.1352

Rectangle

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



42.7965, 22.0563, 9.5911



27.2883, 22.0563, 0.7431



8.2035, 22.0563, 48.4509



15.7009, 22.0563, 114.6385

Sweetspot

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



42.7970, 22.0577, 9.5914



68.4541, 58.6001, 63.6816



37.3377, 17.3255, 95.9833



14.0044, 11.5554, 12.4661



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.



42.7970, 22.0577, 9.5914



42.4361, 21.7384, 8.2287



42.8618, 24.4157, 2.7429



18.2226, 18.0723, 19.7892



22.2289, 11.3809, 4.5899



2.2090, 1.1260, 0.6818

Inverse Universe

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



42.7970, 22.0577, 9.5914



42.4361, 21.7384, 8.2287



40.2506, 51.4342, 102.4134



18.2226, 18.0723, 19.7892



22.2289, 11.3809, 4.5899



2.2090, 1.1260, 0.6818

Previews

White Background



This preview shows how the XYZ color 42.7965, 22.0563, 9.5911 looks on a white background.

Color Contrast Check

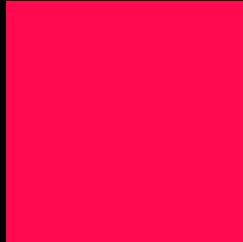
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7965, 22.0563, 9.5911 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 42.7965, 22.0563, 9.5911

Background



This preview shows how black text looks on a background with the XYZ color 42.7965, 22.0563, 9.5911.

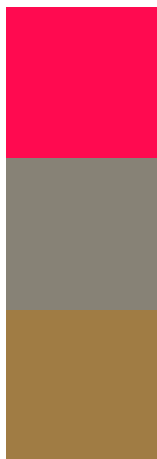


This preview shows how white text looks on a background with the XYZ color 42.7965, 22.0563,

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

42.7965, 22.0563, 9.5911

Protanopia

21.2443, 22.4242, 20.3481

Deuteranopia

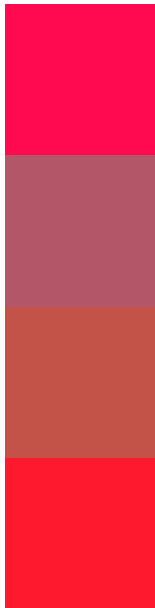
22.7482, 22.3062, 8.5754



Tritanopia

41.6265, 22.2424, 3.1979

Trichromacy



Original Color

42.7965, 22.0563, 9.5911

Protanomaly

24.4169, 17.2388, 15.1372

Deuteranomaly

26.7686, 18.2565, 8.2439

Tritanomaly

41.7338, 21.9713, 4.7306

Monochromacy



Original Color

42.7965, 22.0563, 9.5911

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

16.2054, 10.7127, 10.2305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7965, 22.0563, 9.5911 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, 10, 80)` looks like.

```
.text, #text, p{  
  color:rgb(255, 10, 80)  
}
```

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, 10, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 80) }
```

Border

The CSS property to change the border of an element to XYZ 42.7965, 22.0563, 9.5911 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, 10, 80) }
```


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

```
.border{ border-color:rgb(255, 10, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 10, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7965, 22.0563, 9.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 80) }
```

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

```
.background{ background-color: rgb(255, 10,  
80) }
```

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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