

Converting Colors

XYZ(42.9826, 22.5419, 9.3030)

Have a look what the booklet for
XYZ(42.9826, 22.5419, 9.3030)
contains.

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Color

**XYZ(42.9845, 22.5488,
9.2946)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF1A4E |
| RGB | 255, 26, 78 |
| RGB Percent | 100%, 10%, 31% |
| CMY | 0.0000, 0.8979, 0.6941 |
| CMYK | 0.00, 0.90, 0.69, 0.00 |
| HSL | 346°, 100%, 55% |
| HSV | 346°, 90%, 100% |
| XYZ | 42.9845, 22.5488, 9.2946 |
| YIQ | 100.3990, 119.7920, 64.7200 |

Conversions

Conversions Part 2

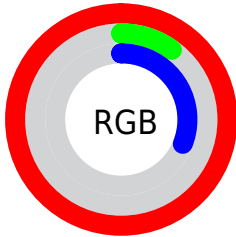
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 255, 26, 78 |
| Decimal | 16718414 |
| CIE Lab | 54.60, 79.46, 33.67 |
| CIE LCh | 55, 86.300, 22.964 |
| Yxy | 22.5488, 0.5744, 0.3013 |
| Android (android.graphics.Color) | 4294908494 (0xFFFF1A4E) |
| YUV | 100.3990, -11.0427, 135.5851 |
| Hunter-Lab | 47.4856, 78.4805, 21.6348 |

Details

The XYZ color **42.9845, 22.5488, 9.2946** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **46.9700, 76.0529, 68.7243**, and the grayscale version is **12.2254, 12.8621, 14.0068**.

A 20% lighter version of the original color is **50.0211, 32.6929, 23.7526**, and **21.2750, 10.9343, 2.5026** is the 20% darker color. If you saturate the color by 10%, you get **42.0166, 21.5799, 5.9924**, and if you desaturate by 10%, it is **44.6381, 24.5508, 13.8705**.

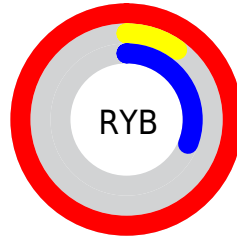
Distribution



Red (100%)

Green (10%)

Blue (31%)



Red (100%)

Yellow (10%)

Blue (31%)

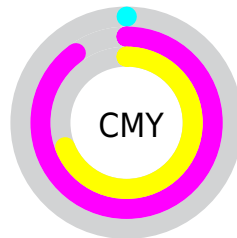


Cyan (0%)

Magenta (90%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9845, 22.5488, 9.2946 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 42.9845, 22.5488, 9.2946 by changing the saturation by 10% instead.


 42.9845, 22.5488,
9.2946


 42.9845, 22.5488,
9.2946


349.4706,
265.3990, 195.8589

 30.0674, 14.2607,
4.8344


 78.9433, 47.6514,
25.0467


 20.0381, 8.3022,
2.0934


 102.7158, 65.2347,
37.1757


 12.5312, 4.2889,
0.6118


 130.8374, 86.6851,
52.6981

 7.1813, 1.8365,
0.0000

 163.6736,
112.3872, 72.0323

 3.6231, 0.5097,
0.0000

 201.5896,
142.7252, 95.5969

 1.4912, 0.0000,
0.0000

244.9509,

 0.3198, 0.0000,

178.0836, 123.8106

0.0000

294.1228,
218.8467, 157.0917

■ 0.0000, 0.0000,
0.0000

■ 42.9845, 22.5488,
9.2946

■ 42.9845, 22.5488,
9.2946

■ 42.0166, 21.5799,
5.9924

■ 44.6381, 24.5508,
13.8705

■ 42.0003, 21.5641,
5.9350

■ 47.1319, 27.8667,
19.8557

■ 50.5689, 32.6779,
27.3610

■ 55.0363, 39.1362,
36.4846

■ 60.6107, 47.3742,
47.3163

67.3616, 57.5115,
59.9392

75.3526, 69.6567,
74.4307

84.6425, 83.9107,
90.8635

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



45.0978, 22.5488, 31.5196



42.9845, 22.5488, 9.2946



34.3963, 22.5488, 2.0082

Triad

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



42.9845, 22.5488, 9.2946



9.9236, 22.5488, 4.6189



19.2753, 22.5488, 121.3905

Complementary

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



42.9845, 22.5488, 9.2946



46.9700, 76.0529, 68.7243

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.



12.2190, 22.5488, 94.2729



42.9845, 22.5488, 9.2946



7.9516, 22.5488, 18.6950

Square

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



42.9845, 22.5488, 9.2946



15.0764, 22.5488, 1.0280



8.6460, 22.5488, 51.0789



29.3615, 22.5488, 110.8429

Rectangle

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



42.9845, 22.5488, 9.2946



27.2297, 22.5488, 0.8133



8.6460, 22.5488, 51.0789



16.5218, 22.5488, 115.9649

Sweetspot

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



42.9850, 22.5502, 9.2949



69.4647, 60.6947, 63.7925



42.6620, 20.4574, 96.3072



14.3205, 12.1622, 12.6495



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.



42.9850, 22.5502, 9.2949



42.0006, 21.5642, 5.9351



44.8421, 28.1658, 4.0524



18.1782, 18.0546, 19.5556



21.9923, 11.2862, 3.3442



2.1806, 1.1146, 0.5326

Inverse Universe

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



42.9850, 22.5502, 9.2949



42.0006, 21.5642, 5.9351



37.7556, 45.9977, 101.4956



18.1782, 18.0546, 19.5556



21.9923, 11.2862, 3.3442



2.1806, 1.1146, 0.5326

Previews

White Background



This preview shows how the XYZ color 42.9845, 22.5488, 9.2946 looks on a white background.

Color Contrast Check

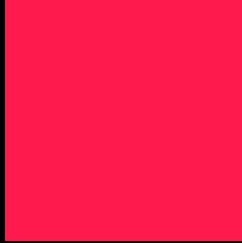
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9845, 22.5488, 9.2946 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 42.9845, 22.5488, 9.2946

Background



This preview shows how black text looks on a background with the XYZ color 42.9845, 22.5488, 9.2946.



This preview shows how white text looks on a background with the XYZ color 42.9845, 22.5488,

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

42.9845, 22.5488, 9.2946

Protanopia

21.6348, 22.8508, 19.1900

Deuteranopia

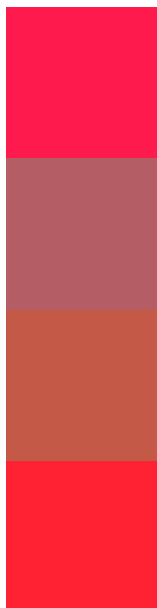
23.0149, 22.6376, 8.3107



Tritanopia

41.9170, 22.6492, 3.8315

Trichromacy



Original Color

42.9845, 22.5488, 9.2946

Protanomaly

25.3194, 18.5920, 14.5661

Deuteranomaly

27.1835, 19.1891, 8.0655

Tritanomaly

42.0426, 22.4539, 5.2501

Monochromacy



Original Color

42.9845, 22.5488, 9.2946

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

18.0246, 12.6057, 11.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9845, 22.5488, 9.2946 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, 26, 78)` looks like.

```
.text, #text, p{  
  color:rgb(255, 26, 78)  
}
```

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, 26, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 78) }
```

Border

The CSS property to change the border of an element to XYZ 42.9845, 22.5488, 9.2946 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, 26, 78) }
```


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

```
.border{ border-color:rgb(255, 26, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9845, 22.5488, 9.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 78) }
```

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

```
.background{ background-color: rgb(255, 26,  
78) }
```

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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