

Converting Colors

XYZ(42.6029, 21.8974, 8.8226)

Have a look what the booklet for
XYZ(42.6029, 21.8974, 8.8226)
contains.

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Color

**XYZ(42.5988, 21.8903,
8.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	FF054C
RGB	255, 5, 76
RGB Percent	100%, 2%, 30%
CMY	0.0000, 0.9801, 0.7020
CMYK	0.00, 0.98, 0.70, 0.00
HSL	343°, 100%, 51%
HSV	343°, 98%, 100%
XYZ	42.5988, 21.8903, 8.8175
YIQ	87.8440, 126.2090, 75.0810

Conversions

Conversions Part 2

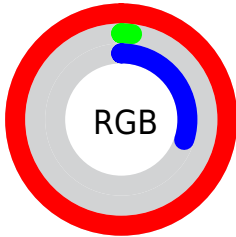
Format	Color
RYB	255, 5, 76
Decimal	16713036
CIELab	53.91, 81.30, 34.01
CIELCh	54, 88.127, 22.699
Yxy	21.8903, 0.5811, 0.2986
Android (android.graphics.Color)	4294903116 (0xFFFF054C)
YUV	87.8440, -5.8391, 146.5958
Hunter-Lab	46.7871, 80.6437, 21.5771

Details

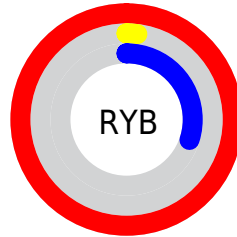
The XYZ color **42.5988, 21.8903, 8.8175** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **44.4818, 75.0158, 57.5184**, and the grayscale version is **9.2427, 9.7241, 10.5895**.

A 20% lighter version of the original color is **49.4035, 31.6643, 22.9100**, and **21.2608, 10.9286, 2.4277** is the 20% darker color. If you saturate the color by 10%, you get **42.4217, 21.7326, 8.1536**, and if you desaturate by 10%, it is **43.7507, 23.0302, 12.7910**.

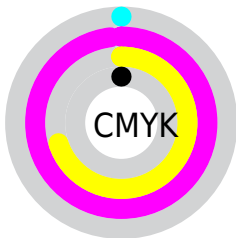
Distribution



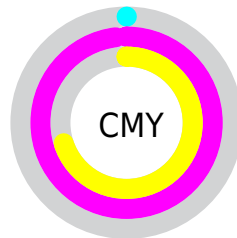
- Red (100%)
- Green (2%)
- Blue (30%)



- Red (100%)
- Yellow (2%)
- Blue (30%)



- Cyan (0%)
- Magenta (98%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (98%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5988, 21.8903, 8.8175 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 42.5988, 21.8903, 8.8175 by changing the saturation by 10% instead.

 42.5988, 21.8903,
8.8175


 42.5988, 21.8903,
8.8175


347.9088,
261.9729, 192.1782

 29.7636, 13.7763,
4.5272


 78.3646, 46.5646,
24.1183


 19.8064, 7.9653,
1.9188


 102.0259, 63.8937,
35.9657

 12.3618, 4.0727,
0.5046


 130.0266, 85.0634,
51.1694

 7.0646, 1.7143,
0.0000

 162.7321,
110.4579, 70.1476

 3.5492, 0.4329,
0.0000

 200.5077,
140.4617, 93.3191

 1.4504, 0.0000,
0.0000

243.7187,

 0.2917, 0.0000,

175.4592, 121.1024

0.0000

292.7307,
215.8348, 153.9159

■ 0.0000, 0.0000,
0.0000

■ 42.5988, 21.8903,
8.8175

■ 42.5988, 21.8903,
8.8175

■ 42.4217, 21.7326,
8.1536

■ 43.7507, 23.0302,
12.7910

■ 45.6112, 25.2763,
17.9580

■ 48.3069, 28.8622,
24.4226

■ 51.9333, 33.9606,
32.2731

■ 56.5721, 40.7180,
41.5893

■ 62.2959, 49.2633,
52.4442

■ 69.1701, 59.7127,
64.9059

■ 77.2549, 72.1725,
79.0381

■ 86.6064, 86.7412,
94.9008

Harmonies

Analogous

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



44.6726, 21.8903, 31.1153



42.5988, 21.8903, 8.8175



33.9447, 21.8903, 1.7460

Triad

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



42.5988, 21.8903, 8.8175



9.4015, 21.8903, 4.1173



18.5713, 21.8903, 122.3862

Complementary

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



42.5988, 21.8903, 8.8175



44.4818, 75.0158, 57.5184

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.



11.5885, 21.8903, 94.2952



42.5988, 21.8903, 8.8175



7.4442, 21.8903, 17.7890

Square

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



42.5988, 21.8903, 8.8175



14.5270, 21.8903, 0.8143



8.1005, 21.8903, 50.2354



28.6750, 21.8903, 111.9102

Rectangle

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



42.5988, 21.8903, 8.8175



26.7207, 21.8903, 0.6159



8.1005, 21.8903, 50.2354



15.8358, 21.8903, 116.6980

Sweetspot

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



42.5993, 21.8917, 8.8178



68.4392, 58.5941, 63.6033



36.9318, 17.0356, 95.9489



14.0010, 11.5540, 12.4479



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.



42.5993, 21.8917, 8.8178



42.4219, 21.7328, 8.1537



42.6362, 24.0084, 2.5324



18.2213, 18.0718, 19.7825



22.2212, 11.3778, 4.5494



2.2081, 1.1256, 0.6771

Inverse Universe

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



42.5993, 21.8917, 8.8178



42.4219, 21.7328, 8.1537



39.9477, 50.9214, 102.3306



18.2213, 18.0718, 19.7825



22.2212, 11.3778, 4.5494



2.2081, 1.1256, 0.6771

Previews

White Background



This preview shows how the XYZ color 42.5988, 21.8903, 8.8175 looks on a white background.

Color Contrast Check

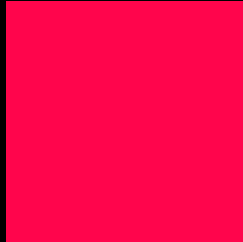
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5988, 21.8903, 8.8175 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 42.5988, 21.8903, 8.8175

Background



This preview shows how black text looks on a background with the XYZ color 42.5988, 21.8903, 8.8175.



This preview shows how white text looks on a background with the XYZ color 42.5988, 21.8903,

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

42.5988, 21.8903, 8.8175

Protanopia

21.1166, 22.3918, 18.8319

Deuteranopia

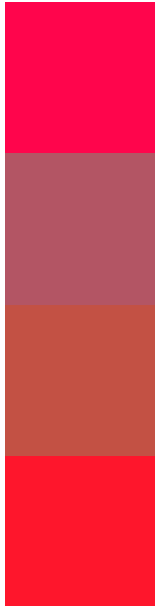
22.6303, 22.2591, 7.9542



Tritanopia

41.5385, 22.1210, 3.0002

Trichromacy



Original Color

42.5988, 21.8903, 8.8175

Protanomaly

24.1392, 17.0008, 14.0658

Deuteranomaly

26.4915, 17.9043, 7.5285

Tritanomaly

41.6146, 21.8265, 4.4025

Monochromacy



Original Color

42.5988, 21.8903, 8.8175

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

15.5077, 10.0558, 9.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5988, 21.8903, 8.8175 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, 5, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 76)  
}
```

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, 5, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 76) }
```

Border

The CSS property to change the border of an element to XYZ 42.5988, 21.8903, 8.8175 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, 5, 76) }
```


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

```
.border{ border-color:rgb(255, 5, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 5, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 5, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.5988, 21.8903, 8.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 76) }
```

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

```
.background{ background-color: rgb(255, 5,  
76) }
```

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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