

Converting Colors

XYZ(41.7542, 21.3580, 9.5018)

Have a look what the booklet for
XYZ(41.7542, 21.3580, 9.5018)
contains.

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Color

**XYZ(41.5929, 21.2746,
9.5036)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FC0050 |
| RGB | 252, 0, 80 |
| RGB Percent | 99%, 0%, 31% |
| CMY | 0.0118, 0.9998, 0.6863 |
| CMYK | 0.00, 1.00, 0.68, 0.01 |
| HSL | 341°, 100%, 49% |
| HSV | 341°, 100%, 99% |
| XYZ | 41.5929, 21.2746, 9.5036 |
| YIQ | 84.4680, 124.5120, 78.3040 |

Conversions

Conversions Part 2

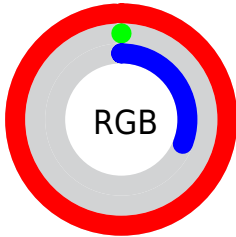
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 252, 0, 80 |
| Decimal | 16515152 |
| CIE _{Lab} | 53.25, 81.12, 30.68 |
| CIE _{LCh} | 53, 86.725, 20.716 |
| Yxy | 21.2746, 0.5747, 0.2940 |
| Android (android.graphics.Color) | 4294705232 (0xFFFC0050) |
| YUV | 84.4680, -2.2027, 146.9256 |
| Hunter-Lab | 46.1244, 80.2456, 20.0708 |

Details

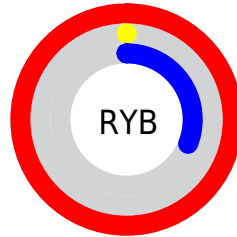
The XYZ color **41.5929, 21.2746, 9.5036** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **42.2635, 72.6019, 50.8476**, and the grayscale version is **8.5173, 8.9608, 9.7583**.

A 20% lighter version of the original color is **49.4771, 31.3944, 24.2209**, and **20.5681, 10.5665, 2.6245** is the 20% darker color. If you saturate the color by 10%, you get **41.5911, 21.2739, 9.4952**, and if you desaturate by 10%, it is **42.6652, 22.2688, 13.4089**.

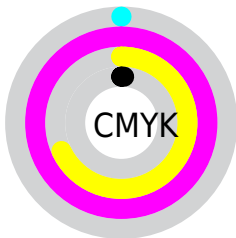
Distribution



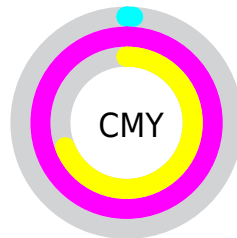
- Red (99%)
- Green (0%)
- Blue (31%)



- Red (99%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5929, 21.2746, 9.5036 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 41.5929, 21.2746, 9.5036 by changing the saturation by 10% instead.


 41.5929, 21.2746,
9.5036


 41.5929, 21.2746,
9.5036


343.8130,
258.7343, 197.4459

 28.9724, 13.3249,
4.9698


 76.8522, 45.5441,
25.4506

 19.2041, 7.6526,
2.1711


 100.2216, 62.6327,
37.7009

 11.9227, 3.8735,
0.6576


 127.9047, 83.5363,
53.3604

 6.7629, 1.6030,
0.0000

 160.2669,
108.6394, 72.8478

 3.3593, 0.3597,
0.0000

 197.6734,
138.3263, 96.5814

 1.3465, 0.0000,
0.0000

 240.4897,

 0.2176, 0.0000,

172.9815, 124.9800

0.0000

289.0811,
212.9894, 158.4619

■ 0.0000, 0.0000,
0.0000

■ 41.5929, 21.2746,
9.5036

■ 41.5929, 21.2746,
9.5036

■ 41.5911, 21.2739,
9.4952

■ 42.6652, 22.2688,
13.4089

■ 44.3658, 24.2406,
18.3824

■ 46.8445, 27.4734,
24.5251

■ 50.1954, 32.1403,
31.9155

■ 54.4986, 38.3873,
40.6239

■ 59.8246, 46.3418,
50.7149

■ 66.2368, 56.1183,
62.2484

■ 73.7934, 67.8214,
75.2807

■ 82.5485, 81.5476,
89.8647

Harmonies

Analogous

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



43.0799, 21.2746, 32.2996



41.5929, 21.2746, 9.5036



33.5596, 21.2746, 1.9435

Triad

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



41.5929, 21.2746, 9.5036



9.4165, 21.2746, 3.6493



17.5086, 21.2746, 117.2260

Complementary

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



41.5929, 21.2746, 9.5036



42.2635, 72.6019, 50.8476

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.



10.9882, 21.2746, 88.3184



41.5929, 21.2746, 9.5036



7.3373, 21.2746, 15.9378

Square

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



41.5929, 21.2746, 9.5036



14.6050, 21.2746, 0.7474



7.8094, 21.2746, 46.0011



27.1183, 21.2746, 109.7214

Rectangle

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



41.5929, 21.2746, 9.5036



26.6181, 21.2746, 0.6956



7.8094, 21.2746, 46.0011



14.9407, 21.2746, 110.9427

Sweetspot

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



41.5934, 21.2759, 9.5039



68.0125, 57.6011, 63.8914



33.7242, 15.3568, 93.2818



13.9331, 11.3725, 12.5666



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.



41.5934, 21.2759, 9.5039



42.7218, 21.8527, 9.7329



40.9749, 22.3552, 2.1572



17.4715, 17.3160, 19.0727



21.7242, 11.1054, 5.2559



2.0579, 1.0469, 0.7286

Inverse Universe

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



41.5934, 21.2759, 9.5039



42.7218, 21.8527, 9.7329



40.6205, 53.1269, 100.2087



17.4715, 17.3160, 19.0727



21.7242, 11.1054, 5.2559



2.0579, 1.0469, 0.7286

Previews

White Background



This preview shows how the XYZ color 41.5929, 21.2746, 9.5036 looks on a white background.

Color Contrast Check

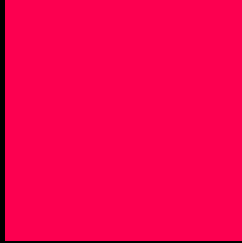
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5929, 21.2746, 9.5036 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 41.5929, 21.2746, 9.5036

Background



This preview shows how black text looks on a background with the XYZ color 41.5929, 21.2746, 9.5036.

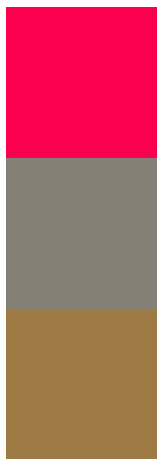


This preview shows how white text looks on a background with the XYZ color 41.5929, 21.2746,

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

41.5929, 21.2746, 9.5036

Protanopia

20.6621, 21.7329, 20.2454

Deuteranopia

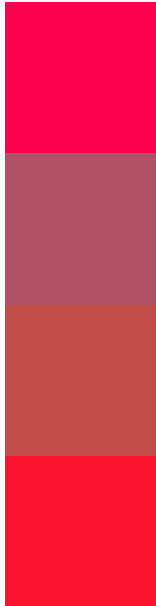
22.2269, 21.8524, 8.5153



Tritanopia

40.4980, 21.6214, 3.0758

Trichromacy



Original Color

41.5929, 21.2746, 9.5036

Protanomaly

23.3456, 16.1144, 14.9767

Deuteranomaly

25.6323, 17.1231, 8.0850

Tritanomaly

40.5270, 21.2068, 4.5421

Monochromacy



Original Color

41.5929, 21.2746, 9.5036

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

14.7346, 9.3739, 9.2164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5929, 21.2746, 9.5036 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(252, 0, 80)` looks like.

```
.text, #text, p{  
  color:rgb(252, 0, 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(252, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 41.5929, 21.2746, 9.5036 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(252, 0, 80) }
```


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

```
.border{ border-color:rgb(252, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5929, 21.2746, 9.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 80) }
```

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

```
.background{ background-color: rgb(252, 0,  
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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