

Converting Colors

XYZ(42.1655, 21.5225, 11.6673)

Have a look what the booklet for
XYZ(42.1655, 21.5225, 11.6673)
contains.

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Color

**XYZ(41.9903, 21.4336,
11.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	FC005A
RGB	252, 0, 90
RGB Percent	99%, 0%, 35%
CMY	0.0118, 0.9997, 0.6471
CMYK	0.00, 1.00, 0.64, 0.01
HSL	339°, 100%, 49%
HSV	339°, 100%, 99%
XYZ	41.9903, 21.4336, 11.5968
YIQ	85.6080, 121.3020, 81.4140

Conversions

Conversions Part 2

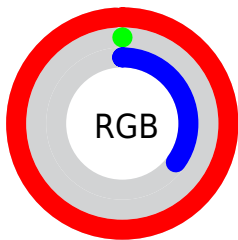
Format	Color
R_{YB}	252, 0, 90
Decimal	16515162
CIE _{Lab}	53.42, 81.58, 24.89
CIE _{LCh}	53, 85.293, 16.965
Yxy	21.4336, 0.5597, 0.2857
Android (android.graphics.Color)	4294705242 (0xFFFC005A)
YUV	85.6080, 2.1653, 145.9258
Hunter-Lab	46.2964, 80.8785, 17.5559

Details

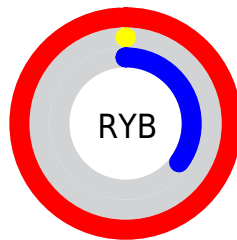
The XYZ color **41.9903, 21.4336, 11.5968** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **41.3384, 72.2317, 45.9762**, and the grayscale version is **8.7477, 9.2033, 10.0224**.

A 20% lighter version of the original color is **50.3413, 31.8888, 28.3128**, and **20.9672, 10.7543, 3.4533** is the 20% darker color. If you saturate the color by 10%, you get **41.9883, 21.4328, 11.5873**, and if you desaturate by 10%, it is **43.1101, 22.4469, 15.7520**.

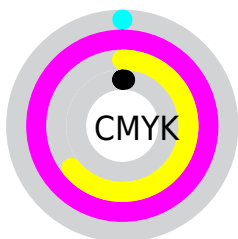
Distribution



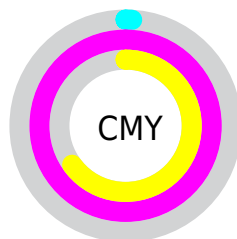
- Red (99%)
- Green (0%)
- Blue (35%)



- Red (99%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9903, 21.4336, 11.5968 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 41.9903, 21.4336, 11.5968 by changing the saturation by 10% instead.

 41.9903, 21.4336,
11.5968


 41.9903, 21.4336,
11.5968

345.4350,
259.5739, 212.5997

 29.2848, 13.4413,
6.3506


 77.4502, 45.8081,
29.4119


 19.4417, 7.7331,
2.9872


 100.9353, 62.9590,
42.8179


 12.0958, 3.9247,
1.0881


 128.7443, 83.9317,
59.7809

 6.8816, 1.6315,
0.0000

 161.2425,
109.1104, 80.7194

 3.4338, 0.3787,
0.0000

 198.7953,
138.8796, 106.0520

 1.3871, 0.0000,
0.0000

 241.7681,

 0.2470, 0.0000,

173.6236, 136.1972

0.0000

290.5262,
213.7270, 171.5736

■ 0.0000, 0.0000,
0.0000

■ 41.9903, 21.4336,
11.5968

■ 41.9903, 21.4336,
11.5968

■ 41.9883, 21.4328,
11.5873

■ 43.1101, 22.4469,
15.7520

■ 44.8435, 24.4319,
20.8977

■ 47.3381, 27.6711,
27.1241

■ 50.6863, 32.3371,
34.5000

■ 54.9666, 38.5750,
43.0873

■ 60.2478, 46.5117,
52.9425

■ 66.5922, 56.2613,
64.1183

■ 74.0566, 67.9276,
76.6641

■ 82.6937, 81.6067,
90.6266

Harmonies

Analogous

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



42.4932, 21.4336, 36.4955



41.9903, 21.4336, 11.5968



34.7232, 21.4336, 2.5669

Triad

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



41.9903, 21.4336, 11.5968



10.1073, 21.4336, 3.1634



16.6901, 21.4336, 113.4974

Complementary

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



41.9903, 21.4336, 11.5968



41.3384, 72.2317, 45.9762

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.



10.6461, 21.4336, 82.0986



41.9903, 21.4336, 11.5968



7.6769, 21.4336, 13.7966

Square

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



41.9903, 21.4336, 11.5968



15.6998, 21.4336, 0.7358



7.8394, 21.4336, 41.1325



25.8898, 21.4336, 110.9739

Rectangle

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



41.9903, 21.4336, 11.5968



27.9770, 21.4336, 0.9517



7.8394, 21.4336, 41.1325



14.2875, 21.4336, 105.9429

Sweetspot

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



41.9908, 21.4349, 11.5971



68.3774, 57.7471, 65.8131



31.9934, 14.4645, 93.2005



14.0182, 11.4065, 13.0144



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.



41.9908, 21.4349, 11.5971



43.1296, 22.0158, 11.8803



40.7073, 21.8200, 2.0681



17.5006, 17.3276, 19.2257



21.9359, 11.1901, 6.3709



2.0801, 1.0558, 0.8455

Inverse Universe

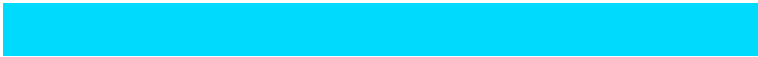
The Inverse Universe completely reimagines the original color for something new.



41.9908, 21.4349, 11.5971



43.1296, 22.0158, 11.8803



42.7488, 57.3834, 100.9179



17.5006, 17.3276, 19.2257



21.9359, 11.1901, 6.3709



2.0801, 1.0558, 0.8455

Previews

White Background



This preview shows how the XYZ color 41.9903, 21.4336, 11.5968 looks on a white background.

Color Contrast Check

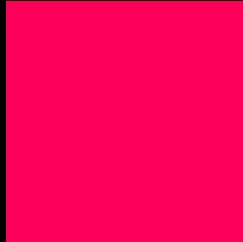
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.9903, 21.4336, 11.5968 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 41.9903, 21.4336, 11.5968

Background



This preview shows how black text looks on a background with the XYZ color 41.9903, 21.4336, 11.5968.



This preview shows how white text looks on a background with the XYZ color 41.9903, 21.4336,

11.5968.

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

41.9903, 21.4336, 11.5968

Protanopia

21.0900, 21.8501, 24.9357

Deuteranopia

22.2045, 21.7984, 10.4343



Tritanopia

40.3297, 21.6956, 3.5009

Trichromacy



Original Color

41.9903, 21.4336, 11.5968



Protanomaly

23.6089, 16.1679, 18.7060



Deuteranomaly

25.7716, 17.1497, 10.1355



Tritanomaly

40.7559, 21.3884, 5.4703

Monochromacy



Original Color

41.9903, 21.4336, 11.5968



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.9405, 9.5315, 10.0691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9903, 21.4336, 11.5968 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 41.9903, 21.4336, 11.5968 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, 90) }
```


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

```
.border{ border-color:rgb(252, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.9903, 21.4336, 11.5968 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, 90) }
```

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

```
.background{ background-color: rgb(252, 0,  
90) }
```

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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