

Converting Colors

XYZ(42.4743, 21.7537, 8.4300)

Have a look what the booklet for
XYZ(42.4743, 21.7537, 8.4300)
contains.

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Color

**XYZ(42.4760, 21.7544,
8.4389)**

Conversions

Conversions Part 1

Format	Color
Hex	FF004A
RGB	255, 0, 74
RGB Percent	100%, 0%, 29%
CMY	0.0000, 0.9997, 0.7098
CMYK	0.00, 1.00, 0.71, 0.00
HSL	343°, 100%, 50%
HSV	343°, 100%, 100%
XYZ	42.4760, 21.7544, 8.4389
YIQ	84.6810, 128.2260, 77.0740

Conversions

Conversions Part 2

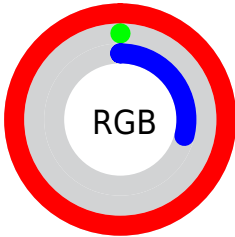
Format	Color
RYB	255, 0, 74
Decimal	16711754
CIELab	53.77, 81.56, 35.01
CIELCh	54, 88.756, 23.234
Yxy	21.7544, 0.5845, 0.2994
Android (android.graphics.Color)	4294901834 (0xFFFF004A)
YUV	84.6810, -5.2657, 149.3698
Hunter-Lab	46.6416, 80.9352, 21.9217

Details

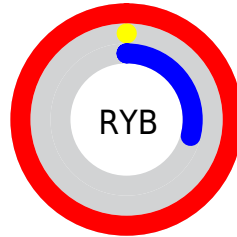
The XYZ color **42.4760, 21.7544, 8.4389** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.1081, 74.8589, 55.8773**, and the grayscale version is **8.5679, 9.0141, 9.8164**.

A 20% lighter version of the original color is **49.1205, 31.4005, 21.8843**, and **21.2336, 10.9177, 2.2845** is the 20% darker color. If you saturate the color by 10%, you get **42.4741, 21.7536, 8.4301**, and if you desaturate by 10%, it is **43.5360, 22.7543, 12.2468**.

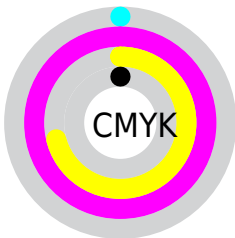
Distribution



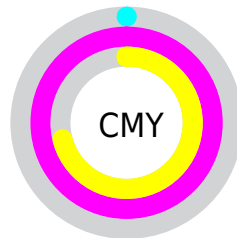
- Red (100%)
- Green (0%)
- Blue (29%)



- Red (100%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4760, 21.7544, 8.4389 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 42.4760, 21.7544, 8.4389 by changing the saturation by 10% instead.

 42.4760, 21.7544,
8.4389


 42.4760, 21.7544,
8.4389


347.4105,
261.2610, 189.1964


 29.6669, 13.6765,
4.2853


 78.1802, 46.3397,
23.3747


 19.7327, 7.8960,
1.7831


 101.8060, 63.6160,
34.9939


 12.3080, 4.0285,
0.4168


 129.7681, 84.7272,
49.9388

 7.0275, 1.6895,
0.0000

 162.4319,
110.0577, 68.6278

 3.5258, 0.4169,
0.0000

 200.1626,
139.9920, 91.4796

 1.4375, 0.0000,
0.0000

 243.3258,

 0.2827, 0.0000,

174.9144, 118.9126

0.0000

292.2866,
215.2092, 151.3453

■ 0.0000, 0.0000,
0.0000

■ 42.4760, 21.7544,
8.4389

■ 42.4760, 21.7544,
8.4389

■ 42.4741, 21.7536,
8.4301

■ 43.5360, 22.7543,
12.2468

■ 45.2525, 24.7640,
17.2068

■ 47.7806, 28.0744,
23.4316

■ 51.2189, 32.8647,
31.0097

■ 55.6511, 39.2854,
40.0206

■ 61.1510, 47.4685,
50.5372

■ 67.7850, 57.5322,
62.6268

■ 75.6140, 69.5845,
76.3527

■ 84.6946, 83.7251,
91.7745

Harmonies

Analogous

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



44.7074, 21.7544, 30.4168



42.4760, 21.7544, 8.4389



33.6854, 21.7544, 1.6193

Triad

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



42.4760, 21.7544, 8.4389



9.2047, 21.7544, 4.1230



18.5941, 21.7544, 123.2282

Complementary

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



42.4760, 21.7544, 8.4389



44.1081, 74.8589, 55.8773

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.



11.5404, 21.7544, 95.4129



42.4760, 21.7544, 8.4389



7.3041, 21.7544, 18.0309

Square

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



42.4760, 21.7544, 8.4389



14.2627, 21.7544, 0.7789



8.0035, 21.7544, 50.9769



28.7730, 21.7544, 111.9217

Rectangle

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



42.4760, 21.7544, 8.4389



26.4206, 21.7544, 0.5394



8.0035, 21.7544, 50.9769



15.8325, 21.7544, 117.7168

Sweetspot

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



42.4765, 21.7558, 8.4392



67.7657, 57.5024, 62.5919



36.5304, 16.7481, 95.9144



13.8758, 11.3496, 12.2647



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.



42.4765, 21.7558, 8.4392



42.4744, 21.7538, 8.4302



42.4263, 23.6325, 2.3274



18.2260, 18.0737, 19.8073



22.2495, 11.3891, 4.6986



2.2113, 1.1269, 0.6944

Inverse Universe

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



42.4765, 21.7558, 8.4392



42.4744, 21.7538, 8.4302



39.6468, 50.4124, 102.2480



18.2260, 18.0737, 19.8073



22.2495, 11.3891, 4.6986



2.2113, 1.1269, 0.6944

Previews

White Background



This preview shows how the XYZ color 42.4760, 21.7544, 8.4389 looks on a white background.

Color Contrast Check

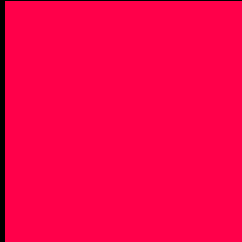
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4760, 21.7544, 8.4389 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 42.4760, 21.7544, 8.4389

Background



This preview shows how black text looks on a background with the XYZ color 42.4760, 21.7544, 8.4389.



This preview shows how white text looks on a background with the XYZ color 42.4760, 21.7544,

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

42.4760, 21.7544, 8.4389

Protanopia

21.1136, 22.4094, 17.9645

Deuteranopia

22.5472, 22.2258, 7.5165



Tritanopia

41.5022, 22.0653, 2.9358

Trichromacy



Original Color

42.4760, 21.7544, 8.4389



Protanomaly

24.0733, 16.7529, 13.2741



Deuteranomaly

26.2850, 17.5874, 7.1636



Tritanomaly

41.5238, 21.7037, 4.1912

Monochromacy



Original Color

42.4760, 21.7544, 8.4389



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.8370, 9.4355, 8.8238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4760, 21.7544, 8.4389 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, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 74)  
}
```

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, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 42.4760, 21.7544, 8.4389 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, 0, 74) }
```


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

```
.border{ border-color:rgb(255, 0, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.4760, 21.7544, 8.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 74) }
```

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

```
.background{ background-color: rgb(255, 0,  
74) }
```

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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