

Converting Colors

XYZ(42.4135, 21.7294, 8.1094)

Have a look what the booklet for
XYZ(42.4135, 21.7294, 8.1094)
contains.

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Color

**XYZ(42.4097, 21.7279,
8.0896)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0048
RGB	255, 0, 72
RGB Percent	100%, 0%, 28%
CMY	0.0000, 0.9997, 0.7176
CMYK	0.00, 1.00, 0.72, 0.00
HSL	343°, 100%, 50%
HSV	343°, 100%, 100%
XYZ	42.4097, 21.7279, 8.0896
YIQ	84.4530, 128.8680, 76.4520

Conversions

Conversions Part 2

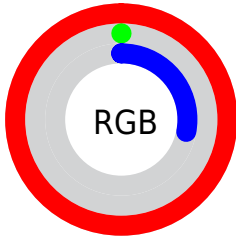
Format	Color
RYB	255, 0, 72
Decimal	16711752
CIELab	53.74, 81.48, 36.16
CIELCh	54, 89.144, 23.929
Yxy	21.7279, 0.5872, 0.3008
Android (android.graphics.Color)	4294901832 (0xFFFF0048)
YUV	84.4530, -6.1393, 149.5697
Hunter-Lab	46.6132, 80.8301, 22.3396

Details

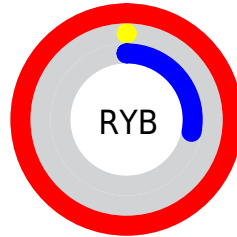
The XYZ color **42.4097, 21.7279, 8.0896** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.3151, 74.9417, 56.9673**, and the grayscale version is **8.5223, 8.9661, 9.7641**.

A 20% lighter version of the original color is **48.9978, 31.3514, 21.2383**, and **21.2080, 10.9075, 2.1500** is the 20% darker color. If you saturate the color by 10%, you get **42.4078, 21.7271, 8.0809**, and if you desaturate by 10%, it is **43.4582, 22.7232, 11.8367**.

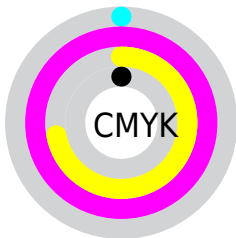
Distribution



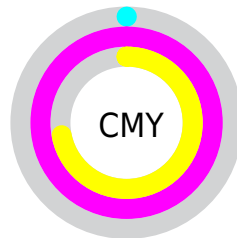
- Red (100%)
- Green (0%)
- Blue (28%)



- Red (100%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4097, 21.7279, 8.0896 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 42.4097, 21.7279, 8.0896 by changing the saturation by 10% instead.


 42.4097, 21.7279,
8.0896


 42.4097, 21.7279,
8.0896


347.1413,
261.1220, 186.3939

 29.6147, 13.6571,
4.0637


 78.0806, 46.2959,
22.6830


 19.6930, 7.8826,
1.6604


 101.6872, 63.5618,
34.0876

 12.2790, 4.0199,
0.3334


 129.6285, 84.6616,
48.7888

 7.0075, 1.6847,
0.0000

 162.2697,
109.9796, 67.2053

 3.5132, 0.4137,
0.0000

 199.9762,
139.9003, 89.7555

 1.4306, 0.0000,
0.0000

 243.1134,

 0.2779, 0.0000,

174.8080, 116.8579

0.0000

292.0467,
215.0871, 148.9312

■ 0.0000, 0.0000,
0.0000

■ 42.4097, 21.7279,
8.0896

■ 42.4097, 21.7279,
8.0896

■ 42.4078, 21.7271,
8.0809

■ 43.4582, 22.7232,
11.8367

■ 45.1660, 24.7294,
16.7511

■ 47.6889, 28.0378,
22.9482

■ 51.1259, 32.8276,
30.5190

■ 55.5610, 39.2496,
39.5452

■ 61.0684, 47.4358,
50.1015

■ 67.7150, 57.5046,
62.2570

■ 75.5619, 69.5641,
76.0768

■ 84.6659, 83.7141,
91.6218

Harmonies

Analogous

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



44.8398, 21.7279, 29.6704



42.4097, 21.7279, 8.0896



33.4685, 21.7279, 1.5224

Triad

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



42.4097, 21.7279, 8.0896



9.0760, 21.7279, 4.2326



18.7690, 21.7279, 124.0401

Complementary

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



42.4097, 21.7279, 8.0896



44.3151, 74.9417, 56.9673

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.



11.6127, 21.7279, 96.7708



42.4097, 21.7279, 8.0896



7.2395, 21.7279, 18.5182

Square

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



42.4097, 21.7279, 8.0896



14.0597, 21.7279, 0.7808



7.9986, 21.7279, 52.0633



29.0366, 21.7279, 111.7127

Rectangle

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



42.4097, 21.7279, 8.0896



26.1668, 21.7279, 0.4887



7.9986, 21.7279, 52.0633



15.9717, 21.7279, 118.8001

Sweetspot

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



42.4102, 21.7293, 8.0899



67.6953, 57.4742, 62.2214



37.5243, 17.2605, 95.9609



13.8595, 11.3430, 12.1787



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.



42.4102, 21.7293, 8.0899



42.4081, 21.7272, 8.0809



42.6208, 24.0215, 2.3923



18.2200, 18.0713, 19.7758



22.2138, 11.3748, 4.5102



2.2072, 1.1253, 0.6726

Inverse Universe

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



42.4102, 21.7293, 8.0899



42.4081, 21.7272, 8.0809



38.6506, 48.4201, 101.9160



18.2200, 18.0713, 19.7758



22.2138, 11.3748, 4.5102



2.2072, 1.1253, 0.6726

Previews

White Background



This preview shows how the XYZ color 42.4097, 21.7279, 8.0896 looks on a white background.

Color Contrast Check

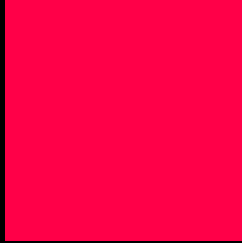
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.4097, 21.7279, 8.0896 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 42.4097, 21.7279, 8.0896

Background



This preview shows how black text looks on a background with the XYZ color 42.4097, 21.7279, 8.0896.

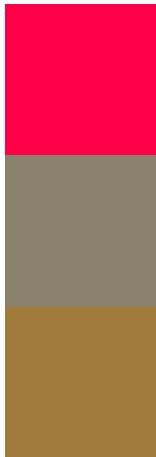


This preview shows how white text looks on a background with the XYZ color 42.4097, 21.7279,

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

42.4097, 21.7279, 8.0896

Protanopia

20.8206, 22.0804, 17.0745

Deuteranopia

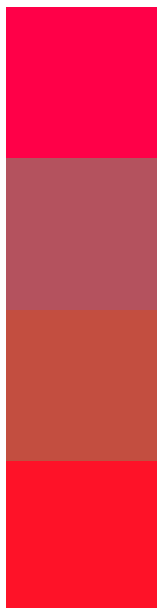
22.5703, 22.0588, 7.2059



Tritanopia

41.4572, 22.0075, 2.8219

Trichromacy



Original Color

42.4097, 21.7279, 8.0896

Protanomaly

23.8601, 16.5460, 12.5258

Deuteranomaly

26.1555, 17.4210, 6.8345

Tritanomaly

41.4724, 21.6566, 4.0018

Monochromacy



Original Color

42.4097, 21.7279, 8.0896

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

14.5751, 9.2364, 8.6040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4097, 21.7279, 8.0896 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 42.4097, 21.7279, 8.0896 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, 72) }
```


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

```
.border{ border-color:rgb(255, 0, 72) }
```

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, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.4097, 21.7279, 8.0896 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, 72) }
```

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

```
.background{ background-color: rgb(255, 0,  
72) }
```

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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