

Converting Colors

XYZ(42.4366, 21.7386, 8.2311)

Have a look what the booklet for
XYZ(42.4366, 21.7386, 8.2311)
contains.

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Color

**XYZ(42.4426, 21.7410,
8.2628)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0049
RGB	255, 0, 73
RGB Percent	100%, 0%, 29%
CMY	0.0000, 0.9997, 0.7137
CMYK	0.00, 1.00, 0.71, 0.00
HSL	343°, 100%, 50%
HSV	343°, 100%, 100%
XYZ	42.4426, 21.7410, 8.2628
YIQ	84.5670, 128.5470, 76.7630

Conversions

Conversions Part 2

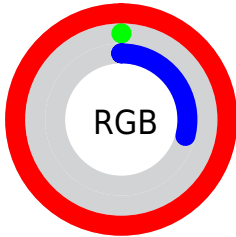
Format	Color
R _Y B	255, 0, 73
Decimal	16711753
CIE Lab	53.75, 81.52, 35.59
CIE LCh	54, 88.949, 23.583
Yxy	21.7410, 0.5858, 0.3001
Android (android.graphics.Color)	4294901833 (0xFFFF0049)
YUV	84.5670, -5.7025, 149.4697
Hunter-Lab	46.6272, 80.8825, 22.1323

Details

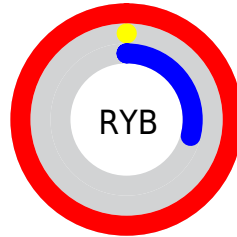
The XYZ color **42.4426, 21.7410, 8.2628** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.2110, 74.9001, 56.4188**, and the grayscale version is **8.5447, 8.9897, 9.7898**.

A 20% lighter version of the original color is **49.0589, 31.3758, 21.5596**, and **21.2206, 10.9126, 2.2162** is the 20% darker color. If you saturate the color by 10%, you get **42.4408, 21.7403, 8.2545**, and if you desaturate by 10%, it is **43.4968, 22.7385, 12.0404**.

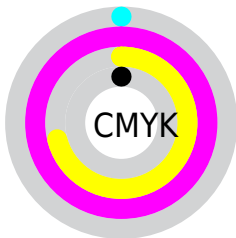
Distribution



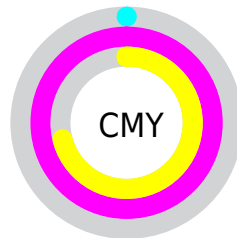
- Red (100%)
- Green (0%)
- Blue (29%)



- 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 42.4426, 21.7410, 8.2628 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 42.4426, 21.7410, 8.2628 by changing the saturation by 10% instead.


 42.4426, 21.7410,
8.2628


 42.4426, 21.7410,
8.2628


347.2749,
261.1907, 187.7899

 29.6406, 13.6667,
4.1734


 78.1300, 46.3176,
23.0267


 19.7127, 7.8892,
1.7209


 101.7462, 63.5886,
34.5382

 12.2934, 4.0241,
0.3750


 129.6978, 84.6940,
49.3609

 7.0175, 1.6871,
0.0000

 162.3502,
110.0183, 67.9132

 3.5194, 0.4153,
0.0000

 200.0687,
139.9456, 90.6137

 1.4340, 0.0000,
0.0000

 243.2188,

 0.2803, 0.0000,

174.8606, 117.8810

0.0000

292.1658,
215.1475, 150.1335

■ 0.0000, 0.0000,
0.0000

■ 42.4426, 21.7410,
8.2628

■ 42.4426, 21.7410,
8.2628

■ 42.4408, 21.7403,
8.2545

■ 43.4968, 22.7385,
12.0404

■ 45.2089, 24.7464,
16.9777

■ 47.7344, 28.0556,
23.1887

■ 51.1719, 32.8455,
30.7632

■ 55.6055, 39.2666,
39.7817

■ 61.1091, 47.4511,
50.3181

■ 67.7492, 57.5171,
62.4405

■ 75.5870, 69.5727,
76.2132

■ 84.6792, 83.7178,
91.6963

Harmonies

Analogous

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



44.7734, 21.7410, 30.0416



42.4426, 21.7410, 8.2628



33.5766, 21.7410, 1.5703

Triad

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



42.4426, 21.7410, 8.2628



9.1401, 21.7410, 4.1775



18.6813, 21.7410, 123.6335

Complementary

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



42.4426, 21.7410, 8.2628



44.2110, 74.9001, 56.4188

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.



11.5764, 21.7410, 96.0904



42.4426, 21.7410, 8.2628



7.2717, 21.7410, 18.2735

Square

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



42.4426, 21.7410, 8.2628



14.1608, 21.7410, 0.7799



8.0010, 21.7410, 51.5184



28.9046, 21.7410, 111.8166

Rectangle

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



42.4426, 21.7410, 8.2628



26.2933, 21.7410, 0.5140



8.0010, 21.7410, 51.5184



15.9019, 21.7410, 118.2576

Sweetspot

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



42.4431, 21.7424, 8.2631



67.7306, 57.4883, 62.4068



36.5302, 16.7480, 95.9145



13.8676, 11.3463, 12.2217



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.



42.4431, 21.7424, 8.2631



42.4410, 21.7404, 8.2545



42.4263, 23.6324, 2.3273



18.2230, 18.0725, 19.7916



22.2316, 11.3819, 4.6038



2.2093, 1.1261, 0.6834

Inverse Universe

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



42.4431, 21.7424, 8.2631



42.4410, 21.7404, 8.2545



39.6467, 50.4122, 102.2481



18.2230, 18.0725, 19.7916



22.2316, 11.3819, 4.6038



2.2093, 1.1261, 0.6834

Previews

White Background



This preview shows how the XYZ color 42.4426, 21.7410, 8.2628 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



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 42.4426, 21.7410, 8.2628

Background



This preview shows how black text looks on a background with the XYZ color 42.4426, 21.7410, 8.2628.

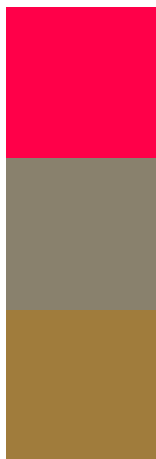


This preview shows how white text looks on a background with the XYZ color 42.4426, 21.7410,

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

42.4426, 21.7410, 8.2628

Protanopia

20.9271, 22.1230, 17.6352

Deuteranopia

22.5205, 22.2151, 7.3760



Tritanopia

41.4920, 22.0612, 2.8820

Trichromacy



Original Color

42.4426, 21.7410, 8.2628

Protanomaly

23.9510, 16.5824, 13.0047

Deuteranomaly

26.2558, 17.5757, 7.0096

Tritanomaly

41.5062, 21.6967, 4.0981

Monochromacy



Original Color

42.4426, 21.7410, 8.2628

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 42.4426, 21.7410, 8.2628 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 42.4426, 21.7410, 8.2628 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, 73) }
```


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

```
.border{ border-color:rgb(255, 0, 73) }
```

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, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.4426, 21.7410, 8.2628 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, 73) }
```

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

```
.background{ background-color: rgb(255, 0,  
73) }
```

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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