

Converting Colors

XYZ(42.0968, 21.0787, 30.1167)

Have a look what the booklet for
XYZ(42.0968, 21.0787, 30.1167)
contains.

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Color

**XYZ(42.0428, 21.0472,
30.2804)**

Conversions

Conversions Part 1

Format	Color
Hex	F20095
RGB	242, 0, 149
RGB Percent	95%, 0%, 58%
CMY	0.0510, 0.9998, 0.4157
CMYK	0.00, 1.00, 0.38, 0.05
HSL	323°, 100%, 47%
HSV	323°, 100%, 95%
XYZ	42.0428, 21.0472, 30.2804
YIQ	89.3440, 96.4030, 97.6430

Conversions

Conversions Part 2

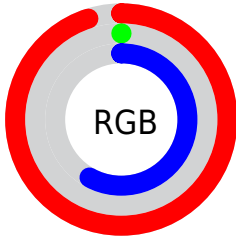
Format	Color
R_{YB}	242, 0, 149
Decimal	15859861
CIE _{Lab}	53.00, 83.55, -11.58
CIE _{LCh}	53, 84.347, 352.110
Yxy	21.0472, 0.4503, 0.2254
Android (android.graphics.Color)	4294049941 (0xFFFF20095)
YUV	89.3440, 29.4104, 133.8793
Hunter-Lab	45.8772, 83.2958, -7.0192

Details

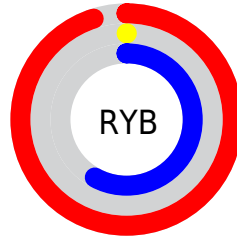
The XYZ color **42.0428, 21.0472, 30.2804** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **33.7311, 64.2959, 21.0015**, and the grayscale version is **9.5005, 9.9953, 10.8849**.

A 20% lighter version of the original color is **56.3872, 34.3072, 60.1499**, and **21.0270, 10.5851, 12.4902** is the 20% darker color. If you saturate the color by 10%, you get **42.0411, 21.0465, 30.2714**, and if you desaturate by 10%, it is **43.1475, 22.0202, 34.4606**.

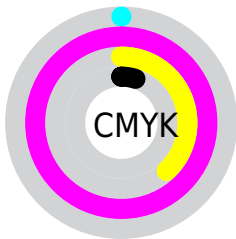
Distribution



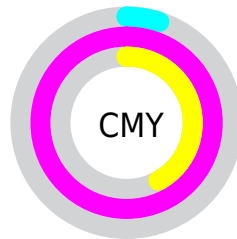
- Red (95%)
- Green (0%)
- Blue (58%)



- Red (95%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0428, 21.0472, 30.2804 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 42.0428, 21.0472, 30.2804 by changing the saturation by 10% instead.

 42.0428, 21.0472,
30.2804


 42.0428, 21.0472,
30.2804


345.6489,
257.5292, 317.4572


 29.3261, 13.1585,
19.7977

 77.5292, 45.1661,
61.1716


 19.4731, 7.5378,
12.0654


 101.0295, 62.1650,
82.4171

 12.1187, 3.8006,
6.6652


 128.8550, 82.9696,
108.0873

 6.8973, 1.5627,
3.1783

 161.3712,
107.9640, 138.6007

 3.4437, 0.3322,
1.1864

 198.9433,
137.5328, 174.3758

 1.3925, 0.0000,
0.0000

 241.9367,

 0.2509, 0.0000,

172.0604, 215.8313

0.0000

290.7168,
211.9310, 263.3855

■ 0.0000, 0.0000,
0.0000

■ 42.0428, 21.0472,
30.2804

■ 42.0428, 21.0472,
30.2804

■ 42.0411, 21.0465,
30.2714

■ 43.1475, 22.0202,
34.4606

■ 44.7248, 23.8411,
39.0975

■ 46.9045, 26.7679,
44.2408

■ 49.7645, 30.9541,
49.9227

■ 53.3704, 36.5289,
56.1711

■ 57.7794, 43.6052,
63.0107

■ 63.0433, 52.2842,
70.4646

■ 69.2090, 62.6582,
78.5540

■ 76.3200, 74.8127,
87.2987

Harmonies

Analogous

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



36.6672, 21.0472, 67.7796



42.0428, 21.0472, 30.2804



40.2789, 21.0472, 9.0308

Triad

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



42.0428, 21.0472, 30.2804



14.2582, 21.0472, 0.9254



11.2669, 21.0472, 86.9234

Complementary

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



42.0428, 21.0472, 30.2804



33.7311, 64.2959, 21.0015

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.



8.0166, 21.0472, 46.5945



42.0428, 21.0472, 30.2804



9.3548, 21.0472, 4.1239

Square

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



42.0428, 21.0472, 30.2804



22.4332, 21.0472, 0.5476



7.4384, 21.0472, 16.8557



17.7581, 21.0472, 113.0445

Rectangle

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



42.0428, 21.0472, 30.2804



35.4739, 21.0472, 3.3082



7.4384, 21.0472, 16.8557



9.8485, 21.0472, 73.6039

Sweetspot

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



42.0434, 21.0484, 30.2807



70.9319, 58.7689, 79.2651



20.5217, 8.7288, 84.6076



14.6209, 11.6476, 16.1886



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.



42.0434, 21.0484, 30.2807



47.3242, 23.6937, 33.9692



36.8316, 18.9637, 2.8356



16.1818, 15.9224, 18.5136



22.6536, 11.3339, 16.6244



1.9330, 0.9622, 1.6381

Inverse Universe

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



42.0434, 21.0484, 30.2807



47.3242, 23.6937, 33.9692



43.8615, 68.3481, 74.3474



16.1818, 15.9224, 18.5136



22.6536, 11.3339, 16.6244



1.9330, 0.9622, 1.6381

Previews

White Background



This preview shows how the XYZ color 42.0428, 21.0472, 30.2804 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 42.0428, 21.0472, 30.2804 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 42.0428, 21.0472, 30.2804

Background



This preview shows how black text looks on a background with the XYZ color 42.0428, 21.0472, 30.2804.



This preview shows how white text looks on a background with the XYZ color 42.0428, 21.0472,

30.2804.

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

42.0428, 21.0472, 30.2804

Protanopia

23.8848, 21.7976, 66.5668

Deuteranopia

21.9484, 21.4845, 27.0349



Tritanopia

37.3313, 21.4694, 6.5913

Trichromacy



Original Color

42.0428, 21.0472, 30.2804



Protanomaly

24.1955, 15.6581, 50.4623



Deuteranomaly

25.3577, 16.6589, 27.4702



Tritanomaly

38.2655, 20.5273, 12.3013

Monochromacy



Original Color

42.0428, 21.0472, 30.2804



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

16.0094, 10.0937, 16.1434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0428, 21.0472, 30.2804 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(242, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 149)  
}
```

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(242, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 149) }
```

Border

The CSS property to change the border of an element to XYZ 42.0428, 21.0472, 30.2804 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(242, 0, 149) }
```


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

```
.border{ border-color:rgb(242, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0428, 21.0472, 30.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 149) }
```

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

```
.background{ background-color: rgb(242, 0,  
149) }
```

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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