

Converting Colors

XYZ(42.1880, 21.1152, 30.5971)

Have a look what the booklet for
XYZ(42.1880, 21.1152, 30.5971)
contains.

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Color

**XYZ(42.1230, 21.0793,
30.7027)**

Conversions

Conversions Part 1

Format	Color
Hex	F20096
RGB	242, 0, 150
RGB Percent	95%, 0%, 59%
CMY	0.0510, 0.9998, 0.4118
CMYK	0.00, 1.00, 0.38, 0.05
HSL	323°, 100%, 47%
HSV	323°, 100%, 95%
XYZ	42.1230, 21.0793, 30.7027
YIQ	89.4580, 96.0820, 97.9540

Conversions

Conversions Part 2

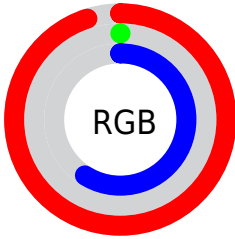
Format	Color
R_{YB}	242, 0, 150
Decimal	15859862
CIE _{Lab}	53.04, 83.64, -12.12
CIE _{LCh}	53, 84.514, 351.753
Yxy	21.0793, 0.4486, 0.2245
Android (android.graphics.Color)	4294049942 (0xFFFF20096)
YUV	89.4580, 29.8472, 133.7793
Hunter-Lab	45.9122, 83.4218, -7.5102

Details

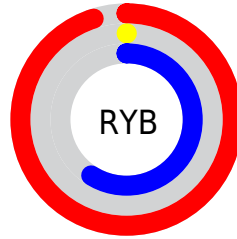
The XYZ color **42.1230, 21.0793, 30.7027** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **33.6871, 64.2783, 20.7698**, and the grayscale version is **9.5250, 10.0210, 10.9129**.

A 20% lighter version of the original color is **56.5068, 34.3550, 60.7797**, and **21.0745, 10.6042, 12.7404** is the 20% darker color. If you saturate the color by 10%, you get **42.1212, 21.0786, 30.6936**, and if you desaturate by 10%, it is **43.2255, 22.0514, 34.8711**.

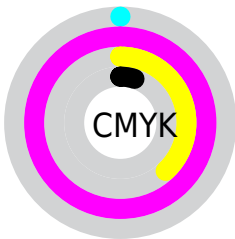
Distribution



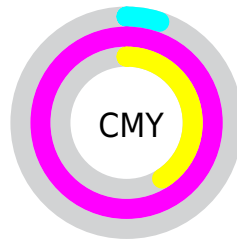
- Red (95%)
- Green (0%)
- Blue (59%)



- Red (95%)
- Yellow (0%)
- Blue (59%)



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





- Cyan (5%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1230, 21.0793, 30.7027 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 42.1230, 21.0793, 30.7027 by changing the saturation by 10% instead.


 42.1230, 21.0793,
30.7027


 42.1230, 21.0793,
30.7027


345.9755,
257.6996, 319.4750


 29.3891, 13.1820,
20.1160


 77.6497, 45.2195,
61.8458


 19.5212, 7.5540,
12.2945


 101.1733, 62.2311,
83.2392


 12.1537, 3.8109,
6.8196


 129.0242, 83.0497,
109.0720

 6.9214, 1.5684,
3.2728

 161.5678,
108.0595, 139.7627

 3.4589, 0.3361,
1.2356

 199.1693,
137.6450, 175.7298

 1.4008, 0.0000,
0.0081

 242.1942,

 0.2568, 0.0000,

172.1906, 217.3919

0.0000

291.0078,
212.0807, 265.1674

■ 0.0000, 0.0000,
0.0000

■ 42.1230, 21.0793,
30.7027

■ 42.1230, 21.0793,
30.7027

■ 42.1212, 21.0786,
30.6936

■ 43.2255, 22.0514,
34.8711

■ 44.7993, 23.8710,
39.4901

■ 46.9745, 26.7960,
44.6090

■ 49.8287, 30.9800,
50.2600

■ 53.4274, 36.5519,
56.4704

■ 57.8279, 43.6248,
63.2652

■ 63.0819, 52.2999,
70.6669

■ 69.2363, 62.6695,
78.6966

■ 76.3346, 74.8190,
87.3740

Harmonies

Analogous

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



36.6545, 21.0793, 68.4686



42.1230, 21.0793, 30.7027



40.4405, 21.0793, 9.1825

Triad

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



42.1230, 21.0793, 30.7027



14.3512, 21.0793, 0.9051



11.2167, 21.0793, 86.7372

Complementary

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



42.1230, 21.0793, 30.7027



33.6871, 64.2783, 20.7698

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.



7.9947, 21.0793, 46.2569



42.1230, 21.0793, 30.7027



9.3967, 21.0793, 4.0405

Square

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



42.1230, 21.0793, 30.7027



22.5849, 21.0793, 0.5455



7.4446, 21.0793, 16.6292



17.6851, 21.0793, 113.2982

Rectangle

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



42.1230, 21.0793, 30.7027



35.6593, 21.0793, 3.3626



7.4446, 21.0793, 16.6292



9.8078, 21.0793, 73.3284

Sweetspot

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



42.1236, 21.0805, 30.7030



70.9753, 58.7862, 79.4932



20.1254, 8.5245, 84.5891



14.6313, 11.6517, 16.2429



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.



42.1236, 21.0805, 30.7030



47.4146, 23.7298, 34.4449



36.8836, 18.9845, 3.1095



16.1847, 15.9236, 18.5286



22.6965, 11.3510, 16.8503



1.9364, 0.9636, 1.6560

Inverse Universe

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



42.1236, 21.0805, 30.7030



47.4146, 23.7298, 34.4449



43.3535, 68.1449, 71.6720



16.1847, 15.9236, 18.5286



22.6965, 11.3510, 16.8503



1.9364, 0.9636, 1.6560

Previews

White Background



This preview shows how the XYZ color 42.1230, 21.0793, 30.7027 looks on a white background.

Color Contrast Check

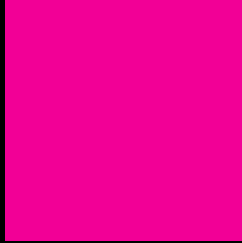
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1230, 21.0793, 30.7027 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 42.1230, 21.0793, 30.7027

Background



This preview shows how black text looks on a background with the XYZ color 42.1230, 21.0793, 30.7027.



This preview shows how white text looks on a background with the XYZ color 42.1230, 21.0793,

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

42.1230, 21.0793, 30.7027

Protanopia

23.9137, 21.7977, 67.2370

Deuteranopia

21.9855, 21.6822, 27.4524



Tritanopia

37.3313, 21.4694, 6.5913

Trichromacy



Original Color

42.1230, 21.0793, 30.7027



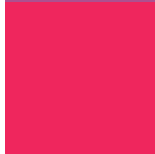
Protanomaly

24.1267, 15.6099, 51.0316



Deuteranomaly

25.2821, 16.7192, 27.8812



Tritanomaly

38.2655, 20.5273, 12.3013

Monochromacy



Original Color

42.1230, 21.0793, 30.7027



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 42.1230, 21.0793, 30.7027 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 150) }
```

Border

The CSS property to change the border of an element to XYZ 42.1230, 21.0793, 30.7027 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, 150) }
```


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

```
.border{ border-color:rgb(242, 0, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1230, 21.0793, 30.7027 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, 150) }
```

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

```
.background{ background-color: rgb(242, 0,  
150) }
```

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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