

Converting Colors

XYZ(42.8681, 21.3872, 34.1784)

Have a look what the booklet for
XYZ(42.8681, 21.3872, 34.1784)
contains.

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Color

**XYZ(42.7895, 21.3459,
34.2127)**

Conversions

Conversions Part 1

Format	Color
Hex	F2009E
RGB	242, 0, 158
RGB Percent	95%, 0%, 62%
CMY	0.0510, 0.9998, 0.3804
CMYK	0.00, 1.00, 0.35, 0.05
HSL	321°, 100%, 47%
HSV	321°, 100%, 95%
XYZ	42.7895, 21.3459, 34.2127
YIQ	90.3700, 93.5140, 100.4420

Conversions

Conversions Part 2

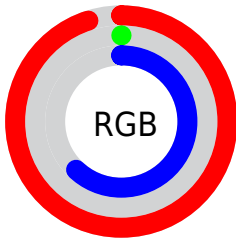
Format	Color
R_{YB}	242, 0, 158
Decimal	15859870
CIE _{Lab}	53.33, 84.39, -16.44
CIE _{LCh}	53, 85.977, 348.976
Yxy	21.3459, 0.4351, 0.2170
Android (android.graphics.Color)	4294049950 (0xFFFF2009E)
YUV	90.3700, 33.3416, 132.9795
Hunter-Lab	46.2016, 84.4644, -11.5636

Details

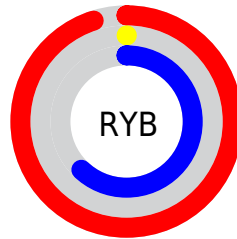
The XYZ color **42.7895, 21.3459, 34.2127** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **33.3553, 64.1456, 19.0224**, and the grayscale version is **9.7211, 10.2273, 11.1376**.

A 20% lighter version of the original color is **57.6179, 34.7995, 66.6310**, and **21.4762, 10.7648, 14.8558** is the 20% darker color. If you saturate the color by 10%, you get **42.7878, 21.3452, 34.2039**, and if you desaturate by 10%, it is **43.8698, 22.3091, 38.2641**.

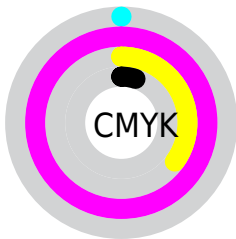
Distribution



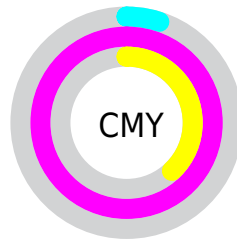
- Red (95%)
- Green (0%)
- Blue (62%)



- Red (95%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7895, 21.3459, 34.2127 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 42.7895, 21.3459, 34.2127 by changing the saturation by 10% instead.


 42.7895, 21.3459,
34.2127


 42.7895, 21.3459,
34.2127

348.6816,
259.1111, 335.8775


 29.9138, 13.3771,
22.7784


 78.6508, 45.6625,
67.4020


 19.9209, 7.6887,
14.2262


 102.3671, 62.7791,
89.9940


 12.4455, 3.8964,
8.1376


 130.4277, 83.7137,
117.1423

 7.1222, 1.6158,
4.0941

 163.1978,
108.8507, 149.2655

 3.5856, 0.3682,
1.6771

 201.0429,
138.5746, 186.7821

 1.4705, 0.0000,
0.3450

244.3284,

 0.3056, 0.0000,

173.2697, 230.1106

0.0000

293.4195,
213.3204, 279.6695

■ 0.0000, 0.0000,
0.0000

■ 42.7895, 21.3459,
34.2127

■ 42.7895, 21.3459,
34.2127

■ 42.7878, 21.3452,
34.2039

■ 43.8698, 22.3091,
38.2641

■ 45.4123, 24.1161,
42.7181

■ 47.5467, 27.0248,
47.6227

■ 50.3504, 31.1886,
53.0080

■ 53.8887, 36.7364,
58.9003

■ 58.2185, 43.7809,
65.3227

■ 63.3912, 52.4235,
72.2964

■ 69.4535, 62.7562,
79.8412

■ 76.4486, 74.8643,
87.9752

Harmonies

Analogous

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



36.5760, 21.3459, 74.1518



42.7895, 21.3459, 34.2127



41.7642, 21.3459, 10.4506

Triad

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



42.7895, 21.3459, 34.2127



15.1103, 21.3459, 0.7436



10.8280, 21.3459, 85.3280

Complementary

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



42.7895, 21.3459, 34.2127



33.3553, 64.1456, 19.0224

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.



7.8251, 21.3459, 43.6625



42.7895, 21.3459, 34.2127



9.7370, 21.3459, 3.4185

Square

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



42.7895, 21.3459, 34.2127



23.8251, 21.3459, 0.5279



7.4968, 21.3459, 14.9099



17.1206, 21.3459, 115.4084

Rectangle

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



42.7895, 21.3459, 34.2127



37.1755, 21.3459, 3.8157



7.4968, 21.3459, 14.9099



9.4924, 21.3459, 71.2142

Sweetspot

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



42.7901, 21.3471, 34.2130



71.3249, 58.9260, 81.3342



19.3957, 8.1483, 84.5549



14.7147, 11.6851, 16.6822



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.



42.7901, 21.3471, 34.2130



48.1659, 24.0304, 38.4013



37.0081, 19.0343, 3.7650



16.2076, 15.9327, 18.6494



23.0529, 11.4936, 18.7271



1.9645, 0.9749, 1.8040

Inverse Universe

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



42.7901, 21.3471, 34.2130



48.1659, 24.0304, 38.4013



42.3752, 67.7535, 66.5206



16.2076, 15.9327, 18.6494



23.0529, 11.4936, 18.7271



1.9645, 0.9749, 1.8040

Previews

White Background



This preview shows how the XYZ color 42.7895, 21.3459, 34.2127 looks on a white background.

Color Contrast Check

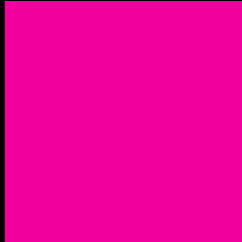
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7895, 21.3459, 34.2127 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 42.7895, 21.3459, 34.2127

Background



This preview shows how black text looks on a background with the XYZ color 42.7895, 21.3459, 34.2127.



This preview shows how white text looks on a background with the XYZ color 42.7895, 21.3459,

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

42.7895, 21.3459, 34.2127

Protanopia

24.7556, 22.2517, 74.9418

Deuteranopia

22.4002, 22.0148, 30.6724



Tritanopia

37.2688, 21.6598, 7.2175

Trichromacy



Original Color

42.7895, 21.3459, 34.2127



Protanomaly

24.3958, 15.6171, 56.9869



Deuteranomaly

25.6882, 16.8559, 31.1778



Tritanomaly

38.2375, 20.5290, 13.7515

Monochromacy



Original Color

42.7895, 21.3459, 34.2127



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2347, 10.1838, 17.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7895, 21.3459, 34.2127 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, 158)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 42.7895, 21.3459, 34.2127 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, 158) }
```


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

```
.border{ border-color:rgb(242, 0, 158) }
```

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, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7895, 21.3459, 34.2127 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, 158) }
```

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

```
.background{ background-color: rgb(242, 0,  
158) }
```

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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