

Converting Colors

XYZ(42.7495, 21.6093, 29.1502)

Have a look what the booklet for
XYZ(42.7495, 21.6093, 29.1502)
contains.

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Color

**XYZ(42.6162, 21.5478,
29.1071)**

Conversions

Conversions Part 1

Format	Color
Hex	F40B92
RGB	244, 11, 146
RGB Percent	96%, 4%, 57%
CMY	0.0431, 0.9566, 0.4275
CMYK	0.00, 0.95, 0.40, 0.04
HSL	325°, 91%, 50%
HSV	325°, 95%, 96%
XYZ	42.6162, 21.5478, 29.1071
YIQ	96.0570, 95.5330, 91.3810

Conversions

Conversions Part 2

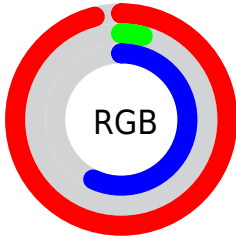
Format	Color
R_{YB}	244, 11, 146
Decimal	15993746
CIE _{Lab}	53.54, 82.93, -8.93
CIE _{LCh}	54, 83.413, 353.851
Yxy	21.5478, 0.4569, 0.2310
Android (android.graphics.Color)	4294183826 (0xFFFF40B92)
YUV	96.0570, 24.6219, 129.7460
Hunter-Lab	46.4196, 82.6402, -4.6837

Details

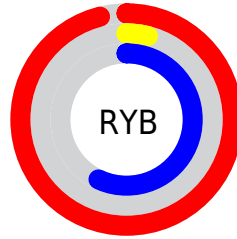
The XYZ color **42.6162, 21.5478, 29.1071** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **35.2527, 65.8781, 25.3416**, and the grayscale version is **11.0656, 11.6419, 12.6780**.

A 20% lighter version of the original color is **56.2225, 34.5445, 58.3481**, and **21.4027, 10.7896, 12.0209** is the 20% darker color. If you saturate the color by 10%, you get **42.1419, 21.1666, 27.2000**, and if you desaturate by 10%, it is **43.9460, 22.8715, 33.6688**.

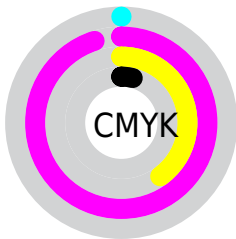
Distribution



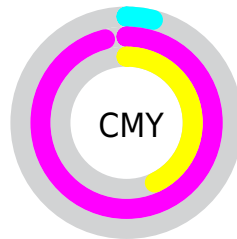
- Red (96%)
- Green (4%)
- Blue (57%)



- Red (96%)
- Yellow (4%)
- Blue (57%)



- Cyan (0%)
- Magenta (95%)
- Yellow (40%)
- Black (4%)





- Cyan (4%)
- Magenta (96%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6162, 21.5478, 29.1071 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 42.6162, 21.5478, 29.1071 by changing the saturation by 10% instead.


 42.6162, 21.5478,
29.1071


 42.6162, 21.5478,
29.1071


347.9793,
260.1756, 311.7967

 29.7773, 13.5250,
18.9156


 78.3907, 45.9975,
59.2914


 19.8169, 7.7911,
11.4331


 102.0570, 63.1931,
80.1213


 12.3695, 3.9615,
6.2411


 130.0632, 84.2152,
105.3344

 7.0698, 1.6521,
2.9211

 162.7746,
109.4481, 135.3492

 3.5525, 0.3923,
1.0545

 200.5565,
139.2762, 170.5843

 1.4522, 0.0000,
0.0000

243.7744,

 0.2930, 0.0000,

174.0839, 211.4582

0.0000

292.7936,
214.2555, 258.3895

■ 0.0000, 0.0000,
0.0000

■ 42.6162, 21.5478,
29.1071

■ 42.6162, 21.5478,
29.1071

■ 42.1419, 21.1666,
27.2000

■ 43.9460, 22.8715,
33.6688

■ 45.8482, 25.2225,
38.7840

■ 48.4139, 28.7798,
44.4916

■ 51.7164, 33.6877,
50.8244

■ 55.8189, 40.0698,
57.8115

60.7774, 48.0357,
65.4795

66.6428, 57.6846,
73.8527

73.4617, 69.1074,
82.9542

81.2774, 82.3885,
92.8055

Harmonies

Analogous

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



37.6209, 21.5478, 65.8200



42.6162, 21.5478, 29.1071



40.4350, 21.5478, 8.7096

Triad

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



42.6162, 21.5478, 29.1071



14.3158, 21.5478, 1.1291



11.9600, 21.5478, 89.3705

Complementary

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



42.6162, 21.5478, 29.1071



35.2527, 65.8781, 25.3416

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.



8.4855, 21.5478, 49.3536



42.6162, 21.5478, 29.1071



9.5445, 21.5478, 4.8096

Square

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



42.6162, 21.5478, 29.1071



22.3670, 21.5478, 0.6560



7.7510, 21.5478, 18.5983



18.7033, 21.5478, 113.5818

Rectangle

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



42.6162, 21.5478, 29.1071



35.4497, 21.5478, 3.2619



7.7510, 21.5478, 18.5983



10.4597, 21.5478, 76.3600

Sweetspot

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



42.6168, 21.5490, 29.1074



71.2136, 59.7039, 78.2128



22.6479, 9.9677, 86.3181



14.6564, 11.8162, 15.8991



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.



42.6168, 21.5490, 29.1074



46.5632, 23.3893, 29.9618



37.6689, 19.5699, 3.0519



16.9017, 16.6435, 19.2287



22.9842, 11.5371, 15.1572



2.0713, 1.0345, 1.6021

Inverse Universe

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



42.6168, 21.5490, 29.1074



46.5632, 23.3893, 29.9618



46.0238, 70.1866, 82.0614



16.9017, 16.6435, 19.2287



22.9842, 11.5371, 15.1572



2.0713, 1.0345, 1.6021

Previews

White Background



This preview shows how the XYZ color 42.6162, 21.5478, 29.1071 looks on a white background.

Color Contrast Check

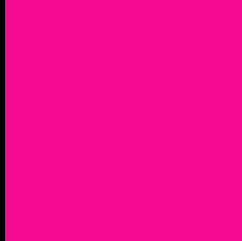
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6162, 21.5478, 29.1071 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 42.6162, 21.5478, 29.1071

Background



This preview shows how black text looks on a background with the XYZ color 42.6162, 21.5478, 29.1071.



This preview shows how white text looks on a background with the XYZ color 42.6162, 21.5478,

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

42.6162, 21.5478, 29.1071

Protanopia

23.8992, 22.0665, 63.3212

Deuteranopia

22.1880, 21.8198, 25.9639



Tritanopia

37.9253, 21.7031, 6.4652

Trichromacy



Original Color

42.6162, 21.5478, 29.1071



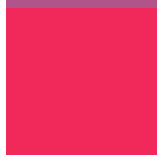
Protanomaly

24.6109, 16.3698, 48.3169



Deuteranomaly

25.9620, 17.5518, 26.4456



Tritanomaly

38.9569, 21.0420, 11.9058

Monochromacy



Original Color

42.6162, 21.5478, 29.1071



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

17.5052, 11.4795, 17.2127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6162, 21.5478, 29.1071 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(244, 11, 146)` looks like.

```
.text, #text, p{  
    color:rgb(244, 11, 146)  
}
```

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(244, 11, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 11, 146) }
```

Border

The CSS property to change the border of an element to XYZ 42.6162, 21.5478, 29.1071 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(244, 11, 146) }
```


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

```
.border{ border-color:rgb(244, 11, 146) }
```

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

Here you see how a box with a 4 pixel rgb(244, 11, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 11, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 11, 146);  
box-shadow:4px 4px 4px 4px rgb(244, 11,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6162, 21.5478, 29.1071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 11, 146) }
```

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

```
.background{ background-color: rgb(244, 11,  
146) }
```

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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