

Converting Colors

XYZ(42.6061, 21.4640, 36.2715)

Have a look what the booklet for
XYZ(42.6061, 21.4640, 36.2715)
contains.

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Color

**XYZ(42.6276, 21.4755,
36.0809)**

Conversions

Conversions Part 1

Format	Color
Hex	F00FA2
RGB	240, 15, 162
RGB Percent	94%, 6%, 64%
CMY	0.0588, 0.9410, 0.3647
CMYK	0.00, 0.94, 0.32, 0.06
HSL	321°, 88%, 50%
HSV	321°, 94%, 94%
XYZ	42.6276, 21.4755, 36.0809
YIQ	99.0330, 86.9130, 93.4170

Conversions

Conversions Part 2

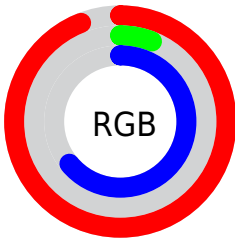
Format	Color
RYB	240, 15, 162
Decimal	15732642
CIELab	53.47, 83.30, -18.63
CIElCh	53, 85.361, 347.393
Yxy	21.4755, 0.4255, 0.2144
Android (android.graphics.Color)	4293922722 (0xFFFF00FA2)
YUV	99.0330, 31.0427, 123.6281
Hunter-Lab	46.3417, 83.0962, -13.7231

Details

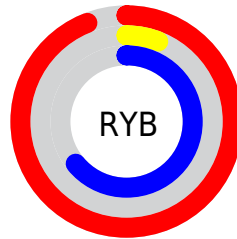
The XYZ color **42.6276, 21.4755, 36.0809** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **33.3353, 63.2132, 20.8093**, and the grayscale version is **11.7824, 12.3960, 13.4992**.

A 20% lighter version of the original color is **58.4181, 35.5771, 69.4337**, and **21.1746, 10.5908, 15.6800** is the 20% darker color. If you saturate the color by 10%, you get **42.0028, 20.9523, 33.6331**, and if you desaturate by 10%, it is **43.9482, 22.8934, 40.2925**.

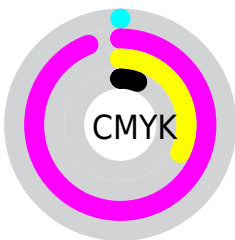
Distribution



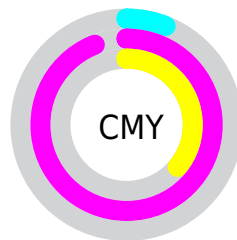
- Red (94%)
- Green (6%)
- Blue (64%)



- Red (94%)
- Yellow (6%)
- Blue (64%)



- Cyan (0%)
- Magenta (94%)
- Yellow (32%)
- Black (6%)





- Cyan (6%)
- Magenta (94%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6276, 21.4755, 36.0809 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 42.6276, 21.4755, 36.0809 by changing the saturation by 10% instead.

 42.6276, 21.4755,
36.0809

 42.6276, 21.4755,
36.0809

348.0256,
259.7948, 344.3621

 29.7863, 13.4720,
24.2065


 78.4078, 45.8776,
70.3274

 19.8237, 7.7544,
15.2733


 102.0774, 63.0449,
93.5365


 12.3745, 3.9382,
8.8626


 130.0872, 84.0357,
121.3610

 7.0733, 1.6390,
4.5561

 162.8024,
109.2343, 154.2193

 3.5547, 0.3837,
1.9351

 200.5885,
139.0252, 192.5300

 1.4534, 0.0000,
0.5149

243.8109,

 0.2938, 0.0000,

173.7926, 236.7117

0.0000

292.8347,
213.9210, 287.1829

■ 0.0000, 0.0000,
0.0000

■ 42.6276, 21.4755,
36.0809

■ 42.6276, 21.4755,
36.0809

■ 42.0028, 20.9523,
33.6331

■ 43.9482, 22.8934,
40.2925

■ 45.8155, 25.3249,
44.9323

■ 48.3124, 28.9343,
50.0324

■ 51.5066, 33.8557,
55.6196

■ 55.4567, 40.2049,
61.7176

■ 60.2147, 48.0848,
68.3479

■ 65.8282, 57.5888,
75.5303

■ 72.3406, 68.8030,
83.2831

■ 79.7925, 81.8070,
91.6237

Harmonies

Analogous

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



36.1453, 21.4755, 76.1854



42.6276, 21.4755, 36.0809



42.0141, 21.4755, 11.3958

Triad

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



42.6276, 21.4755, 36.0809



15.6254, 21.4755, 0.7498



10.7279, 21.4755, 82.8600

Complementary

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



42.6276, 21.4755, 36.0809



33.3353, 63.2132, 20.8093

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.



7.8738, 21.4755, 41.7387



42.6276, 21.4755, 36.0809



10.0704, 21.4755, 3.2410

Square

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



42.6276, 21.4755, 36.0809



24.4641, 21.4755, 0.6208



7.6756, 21.4755, 14.0804



16.8337, 21.4755, 113.9779

Rectangle

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



42.6276, 21.4755, 36.0809



37.6601, 21.4755, 4.2665



7.6756, 21.4755, 14.0804



9.4464, 21.4755, 68.7822

Sweetspot

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



42.6283, 21.4767, 36.0813



72.6147, 61.1019, 83.0092



20.1185, 8.8090, 83.0782



14.9599, 12.0948, 17.0127



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.



42.6283, 21.4767, 36.0813



48.1767, 24.0347, 38.4584



36.7385, 19.1208, 5.0664



16.2079, 15.9329, 18.6511



23.0581, 11.4957, 18.7542



1.9649, 0.9750, 1.8061

Inverse Universe

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



42.6283, 21.4767, 36.0813



48.1767, 24.0347, 38.4584



42.0786, 66.7105, 66.8508



16.2079, 15.9329, 18.6511



23.0581, 11.4957, 18.7542



1.9649, 0.9750, 1.8061

Previews

White Background



This preview shows how the XYZ color 42.6276, 21.4755, 36.0809 looks on a white background.

Color Contrast Check

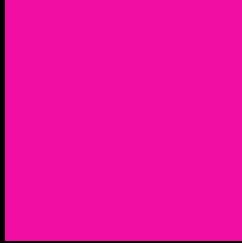
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6276, 21.4755, 36.0809 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 42.6276, 21.4755, 36.0809

Background



This preview shows how black text looks on a background with the XYZ color 42.6276, 21.4755, 36.0809.



This preview shows how white text looks on a background with the XYZ color 42.6276, 21.4755,

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

42.6276, 21.4755, 36.0809

Protanopia

24.8410, 22.0427, 77.8083

Deuteranopia

22.2527, 21.9019, 32.3328



Tritanopia

36.8654, 21.6904, 7.7125

Trichromacy



Original Color

42.6276, 21.4755, 36.0809



Protanomaly

24.7492, 16.3081, 59.6010



Deuteranomaly

25.8217, 17.5682, 33.0404



Tritanomaly

38.0069, 20.8252, 14.5869

Monochromacy



Original Color

42.6276, 21.4755, 36.0809



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.1577, 12.0234, 19.7761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6276, 21.4755, 36.0809 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(240, 15, 162)` looks like.

```
.text, #text, p{  
    color:rgb(240, 15, 162)  
}
```

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(240, 15, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 15, 162) }
```

Border

The CSS property to change the border of an element to XYZ 42.6276, 21.4755, 36.0809 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(240, 15, 162) }
```


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

```
.border{ border-color:rgb(240, 15, 162) }
```

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

Here you see how a box with a 4 pixel rgb(240, 15, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 15, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 15, 162);  
box-shadow:4px 4px 4px 4px rgb(240, 15,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6276, 21.4755, 36.0809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 15, 162) }
```

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

```
.background{ background-color: rgb(240, 15,  
162) }
```

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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