

Converting Colors

XYZ(39.9526, 18.1554, 14.0200)

Have a look what the booklet for
XYZ(39.9526, 18.1554, 14.0200)
contains.

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Color

**XYZ(41.4652, 21.0990,
14.4574)**

Conversions

Conversions Part 1

Format	Color
Hex	F90066
RGB	249, 0, 102
RGB Percent	98%, 0%, 40%
CMY	0.0235, 0.9998, 0.6000
CMYK	0.00, 1.00, 0.59, 0.02
HSL	335°, 100%, 49%
HSV	335°, 100%, 98%
XYZ	41.4652, 21.0990, 14.4574
YIQ	86.0790, 115.6620, 84.5100

Conversions

Conversions Part 2

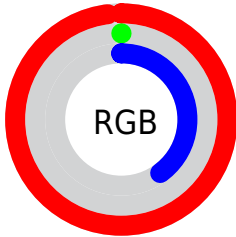
Format	Color
R_{YB}	249, 0, 102
Decimal	16318566
CIE Lab	53.06, 81.55, 17.03
CIE LCh	53, 83.312, 11.797
Yxy	21.0990, 0.5384, 0.2739
Android (android.graphics.Color)	4294508646 (0xFFFF90066)
YUV	86.0790, 7.8491, 142.8817
Hunter-Lab	45.9336, 80.7515, 13.4923

Details

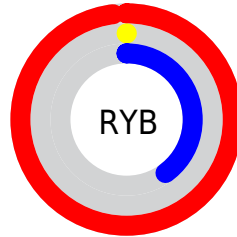
The XYZ color **41.4652, 21.0990, 14.4574** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **39.1475, 69.8600, 39.0497**, and the grayscale version is **8.8359, 9.2961, 10.1234**.

A 20% lighter version of the original color is **51.2645, 32.1093, 33.6328**, and **20.7214, 10.5998, 4.6952** is the 20% darker color. If you saturate the color by 10%, you get **41.4633, 21.0983, 14.4481**, and if you desaturate by 10%, it is **42.6071, 22.1107, 18.7606**.

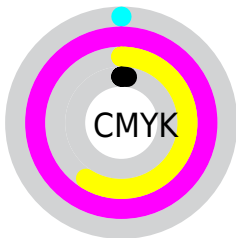
Distribution



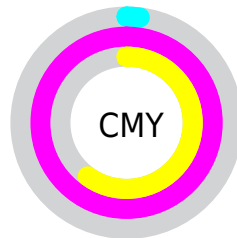
- Red (98%)
- Green (0%)
- Blue (40%)



- Red (98%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4652, 21.0990, 14.4574 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 41.4652, 21.0990, 14.4574 by changing the saturation by 10% instead.


 41.4652, 21.0990,
14.4574


 41.4652, 21.0990,
14.4574


343.2906,
257.8042, 231.5846


 28.8720, 13.1964,
8.2971


 76.6598, 45.2522,
34.6272


 19.1278, 7.5639,
4.1952


 99.9920, 62.2717,
49.4737


 11.8672, 3.8172,
1.7330


 127.6346, 83.0988,
68.0528

 6.7249, 1.5718,
0.3832

 159.9529,
108.1181, 90.7829

 3.3354, 0.3385,
0.0000

 197.3123,
137.7138, 118.0826

 1.3335, 0.0000,
0.0000

 240.0782,

 0.2081, 0.0000,

172.2705, 150.3704

0.0000

288.6158,
212.1725, 188.0649

■ 0.0000, 0.0000,
0.0000

■ 41.4652, 21.0990,
14.4574

■ 41.4652, 21.0990,
14.4574

■ 41.4633, 21.0983,
14.4481

■ 42.6071, 22.1107,
18.7606

■ 44.3258, 24.0588,
23.9253

■ 46.7636, 27.2182,
30.0283

■ 50.0081, 31.7558,
37.1262

■ 54.1338, 37.8115,
45.2698

■ 59.2058, 45.5081,
54.5057

■ 65.2830, 54.9555,
64.8768

■ 72.4194, 66.2542,
76.4239

■ 80.6647, 79.4970,
89.1853

Harmonies

Analogous

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



40.6797, 21.0990, 41.5710



41.4652, 21.0990, 14.4574



35.4089, 21.0990, 3.4913

Triad

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



41.4652, 21.0990, 14.4574



10.7946, 21.0990, 2.5145



15.2403, 21.0990, 105.9813

Complementary

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



41.4652, 21.0990, 14.4574



39.1475, 69.8600, 39.0497

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.



9.9378, 21.0990, 72.4333



41.4652, 21.0990, 14.4574



7.9342, 21.0990, 10.9614

Square

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



41.4652, 21.0990, 14.4574



16.8047, 21.0990, 0.6940



7.6746, 21.0990, 34.3096



23.6971, 21.0990, 109.8942

Rectangle

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



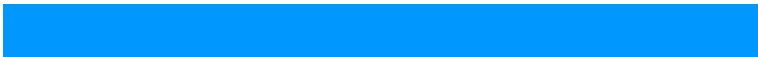
41.4652, 21.0990, 14.4574



29.1110, 21.0990, 1.2943



7.6746, 21.0990, 34.3096



13.1022, 21.0990, 97.0656

Sweetspot

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



41.4657, 21.1003, 14.4577



68.8713, 57.9446, 68.4139



28.8251, 12.8856, 90.5901



14.1337, 11.4527, 13.6230



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.



41.4657, 21.1003, 14.4577



43.7601, 22.2681, 15.2009



39.3317, 20.6690, 1.9183



17.5393, 17.3431, 19.4295



22.2611, 11.3202, 8.0833



2.1129, 1.0689, 1.0181

Inverse Universe

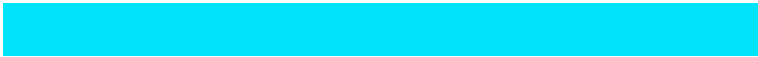
The Inverse Universe completely reimagines the original color for something new.



41.4657, 21.1003, 14.4577



43.7601, 22.2681, 15.2009



44.9131, 62.4670, 99.3123



17.5393, 17.3431, 19.4295



22.2611, 11.3202, 8.0833



2.1129, 1.0689, 1.0181

Previews

White Background



This preview shows how the XYZ color 41.4652, 21.0990, 14.4574 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 41.4652, 21.0990, 14.4574 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 41.4652, 21.0990, 14.4574

Background



This preview shows how black text looks on a background with the XYZ color 41.4652, 21.0990, 14.4574.



This preview shows how white text looks on a background with the XYZ color 41.4652, 21.0990,

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

41.4652, 21.0990, 14.4574

Protanopia

21.3264, 21.6338, 31.4855

Deuteranopia

21.9202, 21.5966, 12.9108



Tritanopia

39.5169, 21.5065, 3.9879

Trichromacy



Original Color

41.4652, 21.0990, 14.4574



Protanomaly

23.4695, 15.9858, 23.6784



Deuteranomaly

25.2835, 16.8398, 12.7443



Tritanomaly

39.9503, 21.0430, 6.5135

Monochromacy



Original Color

41.4652, 21.0990, 14.4574



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.9750, 9.5248, 11.1744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4652, 21.0990, 14.4574 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(249, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 102)  
}
```

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(249, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 41.4652, 21.0990, 14.4574 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(249, 0, 102) }
```


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

```
.border{ border-color:rgb(249, 0, 102) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4652, 21.0990, 14.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 102) }
```

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

```
.background{ background-color: rgb(249, 0,  
102) }
```

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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