

Converting Colors

XYZ(40.6910, 21.6031, 22.4375)

Have a look what the booklet for
XYZ(40.6910, 21.6031, 22.4375)
contains.

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Color

**XYZ(40.5570, 21.5348,
22.4411)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F02780 |
| RGB | 240, 39, 128 |
| RGB Percent | 94%, 15%, 50% |
| CMY | 0.0588, 0.8470, 0.4980 |
| CMYK | 0.00, 0.84, 0.47, 0.06 |
| HSL | 333°, 87%, 55% |
| HSV | 333°, 84%, 94% |
| XYZ | 40.5570, 21.5348, 22.4411 |
| YIQ | 109.2450, 91.2270, 70.2910 |

Conversions

Conversions Part 2

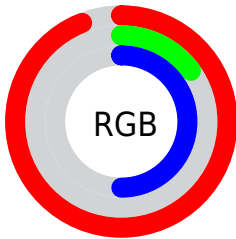
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 240, 39, 128 |
| Decimal | 15738752 |
| CIE _{Lab} | 53.53, 76.73, 1.74 |
| CIE _{LCh} | 54, 76.747, 1.300 |
| Yxy | 21.5348, 0.4798, 0.2548 |
| Android (android.graphics.Color) | 4293928832 (0xFF02780) |
| YUV | 109.2450, 9.2462, 114.6721 |
| Hunter-Lab | 46.4056, 74.7934, 3.8121 |

Details

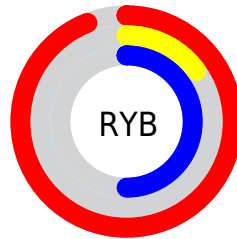
The XYZ color **40.5570, 21.5348, 22.4411** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.5849, 64.9868, 39.8488**, and the grayscale version is **14.5644, 15.3228, 16.6866**.

A 20% lighter version of the original color is **55.0491, 35.5335, 47.6733**, and **19.7714, 10.0295, 8.2910** is the 20% darker color. If you saturate the color by 10%, you get **39.1792, 20.0966, 17.9211**, and if you desaturate by 10%, it is **42.5493, 24.0166, 27.7388**.

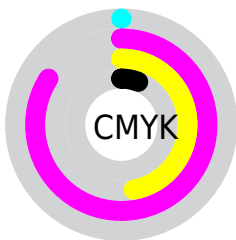
Distribution



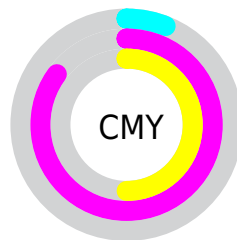
- Red (94%)
- Green (15%)
- Blue (50%)



- Red (94%)
- Yellow (15%)
- Blue (50%)



- Cyan (0%)
- Magenta (84%)
- Yellow (47%)
- Black (6%)





- Cyan (6%)
- Magenta (85%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5570, 21.5348, 22.4411 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 40.5570, 21.5348, 22.4411 by changing the saturation by 10% instead.


 40.5570, 21.5348,
22.4411


 40.5570, 21.5348,
22.4411

339.5600,
260.1072, 277.8695


 28.1592, 13.5155,
13.9800


 75.2899, 45.9759,
48.3855


 18.5868, 7.7845,
7.9681


 98.3558, 63.1665,
66.7058


 11.4743, 3.9573,
3.9871


 125.7084, 84.1829,
89.1496

 6.4565, 1.6497,
1.6183

 157.7131,
109.4097, 116.1354

 3.1678, 0.3908,
0.3038

 194.7352,
139.2311, 148.0817

 1.2431, 0.0000,
0.0000

237.1402,

 0.1400, 0.0000,

174.0315, 185.4072

0.0000

285.2933,
214.1954, 228.5302

■ 0.0000, 0.0000,
0.0000

■ 40.5570, 21.5348,
22.4411

■ 40.5570, 21.5348,
22.4411

■ 39.1792, 20.0966,
17.9211

■ 42.5493, 24.0166,
27.7388


■ 38.5500, 19.5712,
15.4515


■ 45.2402, 27.7028,
33.8627


■ 48.7010, 32.7300,
40.8568


■ 52.9934, 39.2152,
48.7605

■ 58.1724, 47.2624,
57.6105

 64.2880, 56.9662,
67.4408

 71.3866, 68.4137,
78.2837

 79.5110, 81.6855,
90.1698

 88.6958, 96.8455,
103.1260

Harmonies

Analogous

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



37.5911, 21.5348, 52.4050



40.5570, 21.5348, 22.4411



37.0587, 21.5348, 6.9706

Triad

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



40.5570, 21.5348, 22.4411



13.3376, 21.5348, 2.1792



13.8073, 21.5348, 89.2835

Complementary

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



40.5570, 21.5348, 22.4411



37.5849, 64.9868, 39.8488

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.



9.7576, 21.5348, 55.4877



40.5570, 21.5348, 22.4411



9.5416, 21.5348, 7.7886

Square

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



40.5570, 21.5348, 22.4411



20.1136, 21.5348, 1.0936



8.4288, 21.5348, 24.4840



20.8269, 21.5348, 103.4347

Rectangle

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



40.5570, 21.5348, 22.4411



31.9582, 21.5348, 2.9374



8.4288, 21.5348, 24.4840



12.1266, 21.5348, 79.0783

Sweetspot

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



40.5576, 21.5360, 22.4414



72.7741, 63.7702, 75.8190



28.9509, 14.1858, 83.6502



15.0314, 12.7814, 15.3609



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.



40.5576, 21.5360, 22.4414



44.2149, 22.4499, 17.5954



37.4028, 20.8742, 3.9789



16.0636, 15.8751, 17.8909



21.1674, 10.7394, 8.7982



1.8102, 0.9131, 0.9914

Inverse Universe

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



40.5576, 21.5360, 22.4414



44.2149, 22.4499, 17.5954



44.8487, 63.2892, 92.2902



16.0636, 15.8751, 17.8909



21.1674, 10.7394, 8.7982



1.8102, 0.9131, 0.9914

Previews

White Background



This preview shows how the XYZ color 40.5570, 21.5348, 22.4411 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 40.5570, 21.5348, 22.4411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

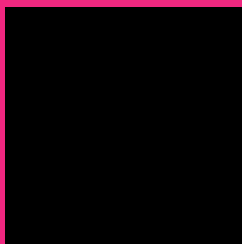
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5570, 21.5348, 22.4411

Background



This preview shows how black text looks on a background with the XYZ color 40.5570, 21.5348, 22.4411.



This preview shows how white text looks on a background with the XYZ color 40.5570, 21.5348,

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

40.5570, 21.5348, 22.4411

Protanopia

22.4353, 21.9038, 45.1649

Deuteranopia

22.1547, 21.7431, 20.1687



Tritanopia

37.4910, 21.7009, 6.9153

Trichromacy



Original Color

40.5570, 21.5348, 22.4411



Protanomaly

24.7354, 18.0934, 35.4464



Deuteranomaly

26.2496, 18.9371, 20.6841



Tritanomaly

38.2533, 21.4115, 11.1335

Monochromacy



Original Color

40.5570, 21.5348, 22.4411



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

20.2273, 14.7697, 18.3077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5570, 21.5348, 22.4411 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, 39, 128)` looks like.

```
.text, #text, p{  
  color:rgb(240, 39, 128)  
}
```

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, 39, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 39, 128) }
```

Border

The CSS property to change the border of an element to XYZ 40.5570, 21.5348, 22.4411 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, 39, 128) }
```


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

```
.border{ border-color:rgb(240, 39, 128) }
```

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

Here you see how a box with a 4 pixel rgb(240, 39, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 39, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 39, 128);  
box-shadow:4px 4px 4px 4px rgb(240, 39,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5570, 21.5348, 22.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 39, 128) }
```

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

```
.background{ background-color: rgb(240, 39,  
128) }
```

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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