

Converting Colors

XYZ(40.2771, 21.5201, 22.3116)

Have a look what the booklet for
XYZ(40.2771, 21.5201, 22.3116)
contains.

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Color

**XYZ(40.3208, 21.5652,
22.4594)**

Conversions

Conversions Part 1

Format	Color
Hex	EF2A80
RGB	239, 42, 128
RGB Percent	94%, 16%, 50%
CMY	0.0627, 0.8352, 0.4980
CMYK	0.00, 0.82, 0.46, 0.06
HSL	334°, 86%, 55%
HSV	334°, 82%, 94%
XYZ	40.3208, 21.5652, 22.4594
YIQ	110.7070, 89.8060, 68.5100

Conversions

Conversions Part 2

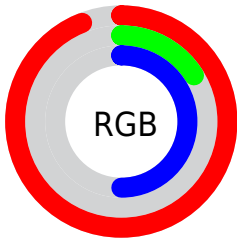
Format	Color
R_YB	239, 42, 128
Decimal	15673984
CIE _{Lab}	53.56, 75.85, 1.76
CIE _{LCh}	54, 75.875, 1.333
Yxy	21.5652, 0.4780, 0.2557
Android (android.graphics.Color)	4293864064 (0xFFEF2A80)
YUV	110.7070, 8.5254, 112.5130
Hunter-Lab	46.4383, 73.7182, 3.8319

Details

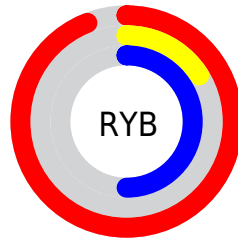
The XYZ color **40.3208, 21.5652, 22.4594** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.5733, 64.5259, 40.6194**, and the grayscale version is **14.9852, 15.7656, 17.1687**.

A 20% lighter version of the original color is **55.1564, 35.7481, 47.7091**, and **19.5427, 9.9116, 8.2803** is the 20% darker color. If you saturate the color by 10%, you get **38.8823, 20.0142, 17.8928**, and if you desaturate by 10%, it is **42.3826, 24.1747, 27.8146**.

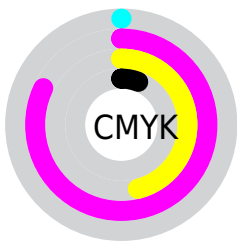
Distribution



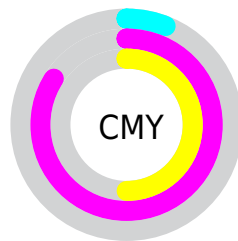
- Red (94%)
- Green (16%)
- Blue (50%)



- Red (94%)
- Yellow (16%)
- Blue (50%)



- Cyan (0%)
- Magenta (82%)
- Yellow (46%)
- Black (6%)





- Cyan (6%)
- Magenta (84%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3208, 21.5652, 22.4594 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 40.3208, 21.5652, 22.4594 by changing the saturation by 10% instead.


 40.3208, 21.5652,
22.4594


 40.3208, 21.5652,
22.4594


338.5851,
260.2672, 277.9674

 27.9741, 13.5378,
13.9933


 74.9330, 46.0263,
48.4160


 18.4465, 7.7999,
7.9773


 97.9292, 63.2288,
66.7436

 11.3726, 3.9672,
3.9929


 125.2059, 84.2584,
89.1955

 6.3872, 1.6552,
1.6214

 157.1286,
109.4995, 116.1901

 3.1248, 0.3944,
0.3060

 194.0624,
139.3365, 148.1461

 1.2201, 0.0000,
0.0000

236.3729,

 0.1222, 0.0000,

174.1539, 185.4819

0.0000

284.4254,
214.3360, 228.6162

■ 0.0000, 0.0000,
0.0000

■ 40.3208, 21.5652,
22.4594

■ 40.3208, 21.5652,
22.4594

■ 38.8823, 20.0142,
17.8928

■ 42.3826, 24.1747,
27.8146

■ 38.1115, 19.3567,
14.9102

■ 45.1484, 27.9969,
34.0064

■ 48.6876, 33.1642,
41.0784

■ 53.0605, 39.7905,
49.0699

■ 58.3209, 47.9776,
58.0176

64.5179, 57.8180,
67.9557

71.6968, 69.3968,
78.9163

79.9002, 82.7936,
90.9301

88.4881, 96.7233,
103.7998

Harmonies

Analogous

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



37.4061, 21.5652, 52.0036



40.3208, 21.5652, 22.4594



36.8681, 21.5652, 7.0946

Triad

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



40.3208, 21.5652, 22.4594



13.4235, 21.5652, 2.2800



13.9019, 21.5652, 88.3032

Complementary

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



40.3208, 21.5652, 22.4594



37.5733, 64.5259, 40.6194

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.



9.8718, 21.5652, 55.1143



40.3208, 21.5652, 22.4594



9.6510, 21.5652, 7.9342

Square

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



40.3208, 21.5652, 22.4594



20.1372, 21.5652, 1.1658



8.5444, 21.5652, 24.5328



20.8612, 21.5652, 102.1510

Rectangle

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



40.3208, 21.5652, 22.4594



31.8374, 21.5652, 3.0429



8.5444, 21.5652, 24.5328



12.2311, 21.5652, 78.2932

Sweetspot

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



40.3214, 21.5664, 22.4597



72.7216, 63.7493, 75.5427



29.0523, 14.4073, 82.9106



15.0190, 12.7764, 15.2955



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.



40.3214, 21.5664, 22.4597



44.2339, 22.5018, 17.5590



37.2368, 20.9622, 4.2758



16.0593, 15.8734, 17.8687



21.1246, 10.7223, 8.5729



1.8065, 0.9116, 0.9717

Inverse Universe

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



40.3214, 21.5664, 22.4597



44.2339, 22.5018, 17.5590



44.5965, 62.8465, 91.4411



16.0593, 15.8734, 17.8687



21.1246, 10.7223, 8.5729



1.8065, 0.9116, 0.9717

Previews

White Background



This preview shows how the XYZ color 40.3208, 21.5652, 22.4594 looks on a white background.

Color Contrast Check

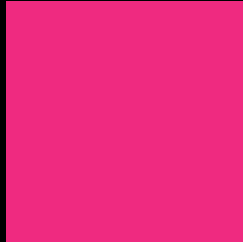
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3208, 21.5652, 22.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

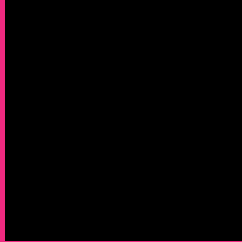
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3208, 21.5652, 22.4594

Background



This preview shows how black text looks on a background with the XYZ color 40.3208, 21.5652, 22.4594.



This preview shows how white text looks on a background with the XYZ color 40.3208, 21.5652,

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

40.3208, 21.5652, 22.4594

Protanopia

22.3653, 21.8907, 44.1209

Deuteranopia

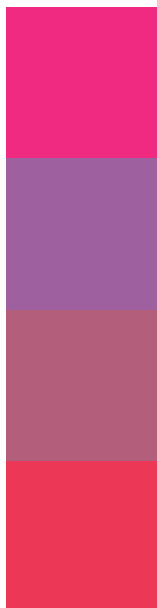
22.2145, 21.7670, 20.4834



Tritanopia

37.2401, 21.6483, 7.0663

Trichromacy



Original Color

40.3208, 21.5652, 22.4594

Protanomaly

24.7390, 18.2399, 35.0176

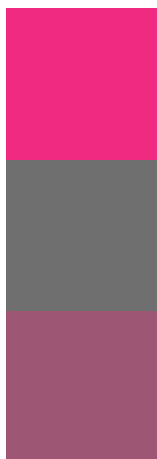
Deuteranomaly

26.1060, 18.9943, 20.7027

Tritanomaly

38.0115, 21.4250, 11.1488

Monochromacy



Original Color

40.3208, 21.5652, 22.4594

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

20.6392, 15.2090, 18.6775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3208, 21.5652, 22.4594 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(239, 42, 128)` looks like.

```
.text, #text, p{  
    color:rgb(239, 42, 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(239, 42, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 42, 128) }
```

Border

The CSS property to change the border of an element to XYZ 40.3208, 21.5652, 22.4594 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(239, 42, 128) }
```


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

```
.border{ border-color:rgb(239, 42, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 42, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 42, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 42, 128);  
box-shadow:4px 4px 4px 4px rgb(239, 42,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3208, 21.5652, 22.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 42, 128) }
```

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

```
.background{ background-color: rgb(239, 42,  
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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