

Converting Colors

XYZ(39.0999, 21.5832, 29.6596)

Have a look what the booklet for
XYZ(39.0999, 21.5832, 29.6596)
contains.

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Color

**XYZ(38.9457, 21.4970,
29.7004)**

Conversions

Conversions Part 1

Format	Color
Hex	E53793
RGB	229, 55, 147
RGB Percent	90%, 22%, 58%
CMY	0.1020, 0.7843, 0.4235
CMYK	0.00, 0.76, 0.36, 0.10
HSL	328°, 77%, 56%
HSV	328°, 76%, 90%
XYZ	38.9457, 21.4970, 29.7004
YIQ	117.5140, 74.1720, 65.5000

Conversions

Conversions Part 2

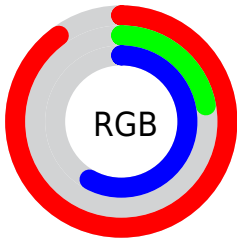
Format	Color
R_{YB}	229, 55, 147
Decimal	15021971
CIE _{Lab}	53.49, 71.85, -9.90
CIE _{LCh}	53, 72.529, 352.156
Yxy	21.4970, 0.4320, 0.2385
Android (android.graphics.Color)	4293212051 (0xFFE53793)
YUV	117.5140, 14.5366, 97.7732
Hunter-Lab	46.3649, 68.7985, -5.5246

Details

The XYZ color **38.9457, 21.4970, 29.7004** 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 **34.1118, 58.6576, 33.1957**, and the grayscale version is **17.0099, 17.8958, 19.4885**.

A 20% lighter version of the original color is **58.2610, 38.4339, 59.6061**, and **18.2598, 9.1694, 11.8738** is the 20% darker color. If you saturate the color by 10%, you get **37.2913, 19.4806, 25.1647**, and if you desaturate by 10%, it is **41.1850, 24.5559, 34.8235**.

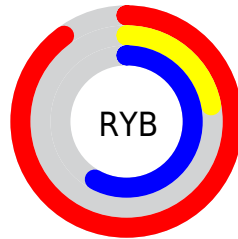
Distribution



Red (90%)

Green (22%)

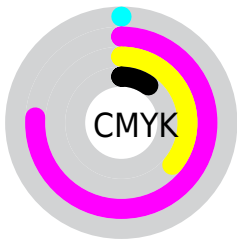
Blue (58%)



Red (90%)

Yellow (22%)

Blue (58%)

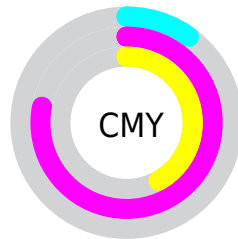


Cyan (0%)

Magenta (76%)

Yellow (36%)

Black (10%)



Cyan (10%)


Magenta (78%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9457, 21.4970, 29.7004 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 38.9457, 21.4970, 29.7004 by changing the saturation by 10% instead.


 38.9457, 21.4970,
29.7004


 38.9457, 21.4970,
29.7004


332.8707,
259.9081, 314.6692

 26.8980, 13.4878,
19.3612

 72.8500, 45.9132,
60.2435


 17.6328, 7.7653,
11.7521


 95.4373, 63.0890,
81.2844


 10.7848, 3.9451,
6.4546


 122.2685, 84.0891,
106.7296

 5.9885, 1.6429,
3.0502

 153.7089,
109.2979, 136.9976

 2.8787, 0.3863,
1.1203

 190.1241,
139.0998, 172.5071

 1.0899, 0.0000,
0.0000

231.8792,

 0.0167, 0.0000,

173.8792, 213.6765

0.0000

279.3396,
214.0205, 260.9243

■ 0.0000, 0.0000,
0.0000

■ 38.9457, 21.4970,
29.7004

■ 38.9457, 21.4970,
29.7004

■ 37.2913, 19.4806,
25.1647

■ 41.1850, 24.5559,
34.8235

■ 36.1413, 18.3493,
21.1782


■ 44.0712, 28.7781,
40.5644


■ 35.7687, 18.0402,
19.7095


■ 47.6598, 34.2714,
46.9519


■ 51.9996, 41.1304,
54.0116

■ 57.1349, 49.4404,
61.7676

 63.1064, 59.2800,
70.2425

 69.9518, 70.7217,
79.4576

 77.7064, 83.8338,
89.4330

 84.4226, 94.7178,
99.5279

Harmonies

Analogous

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



34.5378, 21.4970, 60.3717



38.9457, 21.4970, 29.7004



37.4927, 21.4970, 10.7565

Triad

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



38.9457, 21.4970, 29.7004



15.3301, 21.4970, 1.9847



12.6118, 21.4970, 75.5806

Complementary

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



38.9457, 21.4970, 29.7004



34.1118, 58.6576, 33.1957

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.



9.5378, 21.4970, 43.3769



38.9457, 21.4970, 29.7004



10.8095, 21.4970, 5.8137

Square

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



38.9457, 21.4970, 29.7004



22.5256, 21.4970, 1.5013



8.9734, 21.4970, 18.0713



18.4728, 21.4970, 95.8213

Rectangle

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



38.9457, 21.4970, 29.7004



33.5290, 21.4970, 4.8982



8.9734, 21.4970, 18.0713



11.2859, 21.4970, 65.0986

Sweetspot

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



38.9463, 21.4982, 29.7008



74.9736, 66.4638, 81.8100



25.6966, 13.6423, 75.4075



15.4883, 13.3107, 16.6981



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.



38.9463, 21.4982, 29.7008



46.7054, 23.9348, 29.2040



34.5171, 19.7265, 6.3768



14.6938, 14.4947, 16.5880



20.5122, 10.3391, 11.5923



1.5627, 0.7828, 1.1034

Inverse Universe

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



38.9463, 21.4982, 29.7008



46.7054, 23.9348, 29.2040



42.9418, 62.1896, 79.6942



14.6938, 14.4947, 16.5880



20.5122, 10.3391, 11.5923



1.5627, 0.7828, 1.1034

Previews

White Background



This preview shows how the XYZ color 38.9457, 21.4970, 29.7004 looks on a white background.

Color Contrast Check

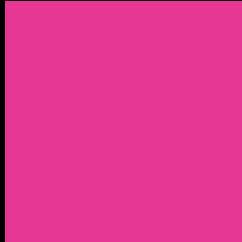
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9457, 21.4970, 29.7004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

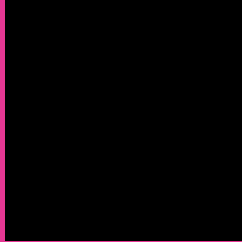
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9457, 21.4970, 29.7004

Background



This preview shows how black text looks on a background with the XYZ color 38.9457, 21.4970, 29.7004.



This preview shows how white text looks on a background with the XYZ color 38.9457, 21.4970,

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

38.9457, 21.4970, 29.7004

Protanopia

23.0201, 21.8049, 54.6252

Deuteranopia

22.0744, 21.7364, 27.0769



Tritanopia

34.6678, 21.4440, 9.7090

Trichromacy



Original Color

38.9457, 21.4970, 29.7004



Protanomaly

24.9875, 18.7183, 44.4155



Deuteranomaly

25.9425, 19.5835, 27.6120



Tritanomaly

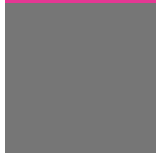
35.9298, 21.3025, 15.3148

Monochromacy



Original Color

38.9457, 21.4970, 29.7004



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

22.1552, 17.0385, 22.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9457, 21.4970, 29.7004 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(229, 55, 147)` looks like.

```
.text, #text, p{  
    color:rgb(229, 55, 147)  
}
```

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(229, 55, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 55, 147) }
```

Border

The CSS property to change the border of an element to XYZ 38.9457, 21.4970, 29.7004 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(229, 55, 147) }
```


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

```
.border{ border-color:rgb(229, 55, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 55, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 55, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 55, 147);  
box-shadow:4px 4px 4px 4px rgb(229, 55,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9457, 21.4970, 29.7004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 55, 147) }
```

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

```
.background{ background-color: rgb(229, 55,  
147) }
```

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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