

Converting Colors

XYZ(50.8631, 32.7114, 29.1681)

Have a look what the booklet for
XYZ(50.8631, 32.7114, 29.1681)
contains.

XYZ(50.8739, 32.7157, 29.2246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.8739, 32.7157,
29.2246)**

Conversions

Conversions Part 1

Format	Color
Hex	FF668E
RGB	255, 102, 142
RGB Percent	100%, 40%, 56%
CMY	0.0000, 0.6000, 0.4431
CMYK	0.00, 0.60, 0.44, 0.00
HSL	344°, 100%, 70%
HSV	344°, 60%, 100%
XYZ	50.8739, 32.7157, 29.2246
YIQ	152.3070, 78.3480, 44.8760

Conversions

Conversions Part 2

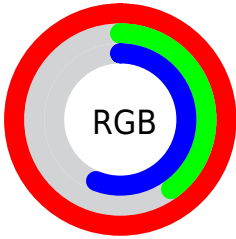
Format	Color
R_{YB}	255, 102, 142
Decimal	16737934
CIE _{Lab}	63.93, 61.44, 8.80
CIE _{LCh}	64, 62.066, 8.151
Yxy	32.7157, 0.4510, 0.2900
Android (android.graphics.Color)	4294928014 (0xFFFF668E)
YUV	152.3070, -5.0814, 90.0618
Hunter-Lab	57.1976, 58.6693, 9.7447

Details

The XYZ color **50.8739, 32.7157, 29.2246** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.5072, 79.2520, 76.7724**, and the grayscale version is **29.9765, 31.5376, 34.3444**.

A 20% lighter version of the original color is **63.4885, 49.9964, 57.9338**, and **24.7170, 13.6960, 11.4661** is the 20% darker color. If you saturate the color by 10%, you get **47.4452, 27.9335, 21.6846**, and if you desaturate by 10%, it is **55.3137, 39.1379, 38.2810**.

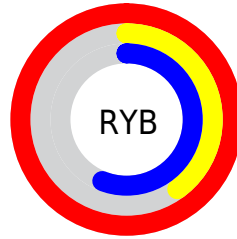
Distribution



Red (100%)

Green (40%)

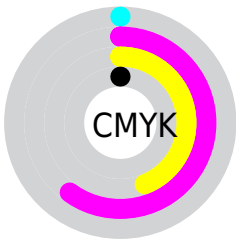
Blue (56%)



Red (100%)

Yellow (40%)

Blue (56%)

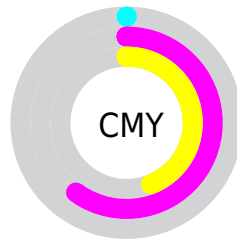


Cyan (0%)

Magenta (60%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8739, 32.7157, 29.2246 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 50.8739, 32.7157, 29.2246 by changing the saturation by 10% instead.


 50.8739, 32.7157,
29.2246


 50.8739, 32.7157,
29.2246


380.4694,
314.3667, 312.3672


 36.3289, 21.9087,
19.0038


 90.6524, 63.9314,
59.4802


 24.8596, 13.7899,
11.4962


 116.6167, 85.1090,
80.3520

 16.1007, 7.9747,
6.2832


 147.1181,
110.5122, 105.6112

 9.6867, 4.0787,
2.9465


 182.5220,
140.5254, 135.6764

 5.2524, 1.7177,
1.0674

223.1937,
175.5331, 170.9660

 2.4324, 0.4351,
0.0000

269.4986,

 0.8613, 0.0000,

215.9196, 211.8987

0.0000

321.8020,
262.0693, 258.8929

■ 0.0000, 0.0000,
0.0000

■ 50.8739, 32.7157,
29.2246

■ 50.8739, 32.7157,
29.2246

■ 47.4452, 27.9335,
21.6846

■ 55.3137, 39.1379,
38.2810

■ 44.9398, 24.6346,
15.5717

■ 60.8372, 47.3271,
48.9322

■ 43.2582, 22.6410,
10.7886

■ 67.5130, 57.4041,
61.2529

■ 42.2431, 21.6614,
7.2120

■ 75.4033, 69.4772,
75.3125

■ 42.2429, 21.6611,
7.2110

■ 84.5656, 83.6467,
91.1764

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



49.4470, 32.7157, 56.7040



50.8739, 32.7157, 29.2246



46.2715, 32.7157, 13.3952

Triad

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



50.8739, 32.7157, 29.2246



21.8265, 32.7157, 9.5956



25.2508, 32.7157, 101.5698

Complementary

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



50.8739, 32.7157, 29.2246



53.5072, 79.2520, 76.7724

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.



19.6635, 32.7157, 74.3915



50.8739, 32.7157, 29.2246



17.9599, 32.7157, 20.5443

Square

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



50.8739, 32.7157, 29.2246



28.7730, 32.7157, 6.0626



17.2499, 32.7157, 42.8905



33.5393, 32.7157, 107.6621

Rectangle

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



50.8739, 32.7157, 29.2246



40.8330, 32.7157, 8.3848



17.2499, 32.7157, 42.8905



23.0436, 32.7157, 94.1397

Sweetspot

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



50.8748, 32.7175, 29.2252



77.1293, 72.1357, 78.3337



50.5929, 31.0510, 97.9347



15.9740, 14.6167, 15.8293



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.



50.8748, 32.7175, 29.2252



46.8722, 27.1589, 20.3486



52.6851, 40.3124, 17.5769



18.2043, 18.0650, 19.6928



22.1244, 11.3390, 4.0394



2.1967, 1.1211, 0.6173

Inverse Universe

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



50.8748, 32.7175, 29.2252



46.8722, 27.1589, 20.3486



48.9409, 60.8661, 103.7766



18.2043, 18.0650, 19.6928



22.1244, 11.3390, 4.0394



2.1967, 1.1211, 0.6173

Previews

White Background



This preview shows how the XYZ color 50.8739, 32.7157, 29.2246 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 50.8739, 32.7157, 29.2246 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 ✓ Pass

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

XYZ 50.8739, 32.7157, 29.2246

Background



This preview shows how black text looks on a background with the XYZ color 50.8739, 32.7157, 29.2246.



This preview shows how white text looks on a background with the XYZ color 50.8739, 32.7157,

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

50.8739, 32.7157, 29.2246

Protanopia

32.0432, 32.8238, 43.1748

Deuteranopia

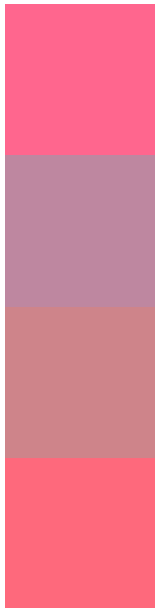
33.4807, 32.7091, 27.4705



Tritanopia

48.8030, 32.6129, 19.6423

Trichromacy



Original Color

50.8739, 32.7157, 29.2246

Protanomaly

36.2443, 30.8132, 37.2950

Deuteranomaly

38.2923, 31.4593, 28.0988

Tritanomaly

49.5627, 32.6292, 22.7546

Monochromacy



Original Color

50.8739, 32.7157, 29.2246

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

34.8567, 30.0071, 31.9718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8739, 32.7157, 29.2246 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(255, 102, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 142)  
}
```

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(255, 102, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 142) }
```

Border

The CSS property to change the border of an element to XYZ 50.8739, 32.7157, 29.2246 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(255, 102, 142) }
```


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

```
.border{ border-color:rgb(255, 102, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 142); box-shadow:4px 4px 4px 4px rgb(255, 102, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8739, 32.7157, 29.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 142) }
```

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

```
.background{ background-color: rgb(255,  
102, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor