

Converting Colors

XYZ(49.8548, 32.3081, 23.8584)

Have a look what the booklet for
XYZ(49.8548, 32.3081, 23.8584)
contains.

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Color

**XYZ(49.8877, 32.3213,
24.0313)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6680
RGB	255, 102, 128
RGB Percent	100%, 40%, 50%
CMY	0.0000, 0.6000, 0.4980
CMYK	0.00, 0.60, 0.50, 0.00
HSL	350°, 100%, 70%
HSV	350°, 60%, 100%
XYZ	49.8877, 32.3213, 24.0313
YIQ	150.7110, 82.8420, 40.5220

Conversions

Conversions Part 2

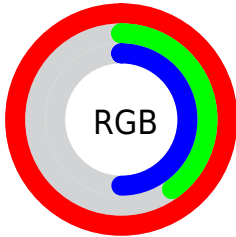
Format	Color
R_{YB}	255, 102, 128
Decimal	16737920
CIE Lab	63.61, 60.19, 16.39
CIE LCh	64, 62.380, 15.232
Yxy	32.3213, 0.4696, 0.3042
Android (android.graphics.Color)	4294928000 (0xFFFF6680)
YUV	150.7110, -11.1965, 91.4615
Hunter-Lab	56.8518, 57.1438, 14.7344

Details

The XYZ color **49.8877, 32.3213, 24.0313** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **55.3845, 80.0028, 86.6579**, and the grayscale version is **29.3148, 30.8415, 33.5863**.

A 20% lighter version of the original color is **61.9786, 49.3925, 49.9831**, and **24.2316, 13.5579, 8.7369** is the 20% darker color. If you saturate the color by 10%, you get **46.5046, 27.5573, 16.7319**, and if you desaturate by 10%, it is **54.3335, 38.7459, 33.1194**.

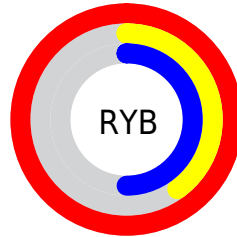
Distribution



Red (100%)

Green (40%)

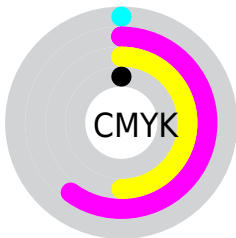
Blue (50%)



Red (100%)

Yellow (40%)

Blue (50%)

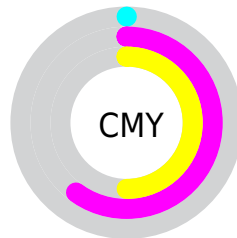


Cyan (0%)

Magenta (60%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8877, 32.3213, 24.0313 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 49.8877, 32.3213, 24.0313 by changing the saturation by 10% instead.


 49.8877, 32.3213,
24.0313


 49.8877, 32.3213,
24.0313

376.6859,
312.5803, 286.2703

 35.5416, 21.6070,
15.1444


 89.2013, 63.3144,
51.0257


 24.2488, 13.5684,
8.7731


 114.8995, 84.3621,
69.9704

 15.6441, 7.8211,
4.4987


 145.1124,
109.6230, 93.1047

 9.3619, 3.9807,
1.9027

 180.2055,
139.4816, 120.8473

 5.0370, 1.6628,
0.4945

220.5440,
174.3222, 153.6165

 2.3039, 0.3994,
0.0000

266.4933,

 0.7967, 0.0000,

214.5293, 191.8311

0.0000

318.4188,
260.4872, 235.9095

■ 0.0000, 0.0000,
0.0000

■ 49.8877, 32.3213,
24.0313

■ 49.8877, 32.3213,
24.0313

■ 46.5046, 27.5573,
16.7319

■ 54.3335, 38.7459,
33.1194

■ 44.0904, 24.2949,
11.0991

■ 59.9202, 46.9605,
44.1034

■ 42.5382, 22.3530,
6.9976

■ 66.7214, 57.0876,
57.0840

■ 41.6821, 21.4370,
4.2582

■ 74.8036, 69.2375,
72.1543

■ 41.6819, 21.4367,
4.2574

■ 84.2286, 83.5121,
89.4014

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



49.9362, 32.3213, 48.8955



49.8877, 32.3213, 24.0313



44.0946, 32.3213, 10.9359

Triad

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



49.8877, 32.3213, 24.0313



20.2946, 32.3213, 11.0623



26.6444, 32.3213, 104.9685

Complementary

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



49.8877, 32.3213, 24.0313



55.3845, 80.0028, 86.6579

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.



20.3674, 32.3213, 81.4332



49.8877, 32.3213, 24.0313



17.2006, 32.3213, 24.3233

Square

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



49.8877, 32.3213, 24.0313



26.5255, 32.3213, 6.2295



17.2244, 32.3213, 49.3641



35.3358, 32.3213, 104.7604

Rectangle

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



49.8877, 32.3213, 24.0313



38.2878, 32.3213, 7.1298



17.2244, 32.3213, 49.3641



24.2222, 32.3213, 99.2154

Sweetspot

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



49.8885, 32.3231, 24.0319



76.5761, 71.9145, 75.4209



54.4655, 33.0476, 98.1157



15.8413, 14.5636, 15.1303



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.



49.8885, 32.3231, 24.0319



45.9465, 26.7886, 15.4738



54.6179, 44.1781, 18.2213



18.1353, 18.0374, 19.3295



21.8162, 11.2158, 2.4168



2.1576, 1.1054, 0.4111

Inverse Universe

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



49.8885, 32.3231, 24.0319



45.9465, 26.7886, 15.4738



45.7351, 54.4546, 102.7078



18.1353, 18.0374, 19.3295



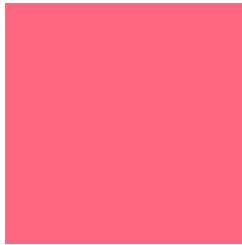
21.8162, 11.2158, 2.4168



2.1576, 1.1054, 0.4111

Previews

White Background



This preview shows how the XYZ color 49.8877, 32.3213, 24.0313 looks on a white background.

Color Contrast Check

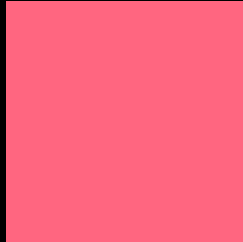
Large Text (above 18pt) WCAG AA × Fail

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 49.8877, 32.3213, 24.0313 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 49.8877, 32.3213, 24.0313

Background



This preview shows how black text looks on a background with the XYZ color 49.8877, 32.3213, 24.0313.



This preview shows how white text looks on a background with the XYZ color 49.8877, 32.3213,

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

49.8877, 32.3213, 24.0313

Protanopia

31.3766, 32.6459, 35.6579

Deuteranopia

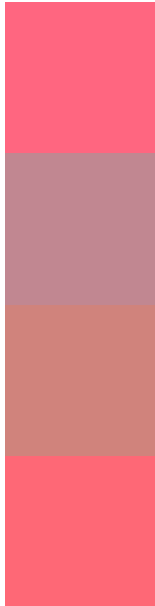
33.0972, 32.3840, 22.5955



Tritanopia

48.8493, 32.3438, 18.9976

Trichromacy



Original Color

49.8877, 32.3213, 24.0313

Protanomaly

35.7671, 30.7097, 30.8305

Deuteranomaly

37.7668, 31.0977, 23.0807

Tritanomaly

49.0934, 32.2795, 20.7826

Monochromacy



Original Color

49.8877, 32.3213, 24.0313

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.3317, 29.5770, 29.8861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8877, 32.3213, 24.0313 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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(255, 102, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.8877, 32.3213, 24.0313 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, 128) }
```


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

```
.border{ border-color:rgb(255, 102, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8877, 32.3213, 24.0313 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, 128) }
```

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

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