

Converting Colors

XYZ(78.3954, 46.4421, 25.2427)

Have a look what the booklet for
XYZ(78.3954, 46.4421, 25.2427)
contains.

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Color

**XYZ(49.5040, 31.5539,
23.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6280
RGB	255, 98, 128
RGB Percent	100%, 38%, 50%
CMY	0.0000, 0.6156, 0.4980
CMYK	0.00, 0.62, 0.50, 0.00
HSL	349°, 100%, 69%
HSV	349°, 62%, 100%
XYZ	49.5040, 31.5539, 23.9034
YIQ	148.3630, 83.9420, 42.6140

Conversions

Conversions Part 2

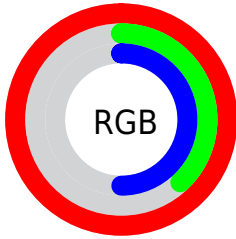
Format	Color
R_{YB}	255, 98, 128
Decimal	16736896
CIE _{Lab}	62.97, 61.89, 15.51
CIE _{LCh}	63, 63.803, 14.068
Yxy	31.5539, 0.4716, 0.3006
Android (android.graphics.Color)	4294926976 (0xFFFF6280)
YUV	148.3630, -10.0390, 93.5206
Hunter-Lab	56.1729, 59.0059, 14.0912

Details

The XYZ color **49.5040, 31.5539, 23.9034** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.3897, 79.5538, 83.7291**, and the grayscale version is **28.3174, 29.7921, 32.4436**.

A 20% lighter version of the original color is **61.3018, 48.0389, 49.7575**, and **24.0345, 13.1637, 8.6712** is the 20% darker color. If you saturate the color by 10%, you get **46.2638, 27.0302, 16.7918**, and if you desaturate by 10%, it is **53.7815, 37.7107, 32.7231**.

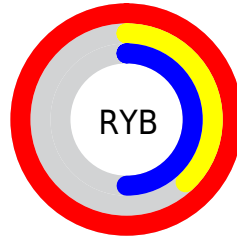
Distribution



Red (100%)

Green (38%)

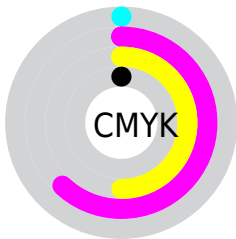
Blue (50%)



Red (100%)

Yellow (38%)

Blue (50%)

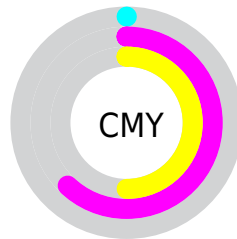


Cyan (0%)

Magenta (62%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5040, 31.5539, 23.9034 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 49.5040, 31.5539, 23.9034 by changing the saturation by 10% instead.


 49.5040, 31.5539,
23.9034


 49.5040, 31.5539,
23.9034

375.2072,
309.0821, 285.6026


 35.2356, 21.0210,
15.0504


 88.6358, 62.1111,
50.8144


 24.0118, 13.1393,
8.7078


 114.2299, 82.9042,
69.7095

 15.4672, 7.5246,
4.4569


 144.3300,
107.8861, 92.7890

 9.2363, 3.7923,
1.8792


 179.3014,
137.4412, 120.4716

 4.9540, 1.5581,
0.4794

219.5094,
171.9540, 153.1757

 2.2548, 0.3291,
0.0000

265.3195,

 0.7714, 0.0000,

211.8088, 191.3198

0.0000

317.0970,
257.3900, 235.3226

■ 0.0000, 0.0000,
0.0000

■ 49.5040, 31.5539,
23.9034

■ 49.5040, 31.5539,
23.9034

■ 46.2638, 27.0302,
16.7918

■ 53.7815, 37.7107,
32.7231

■ 43.9666, 23.9777,
11.2729

■ 59.1745, 45.6321,
43.3521

■ 42.5043, 22.2099,
7.2188

■ 65.7564, 55.4420,
55.8856

■ 41.7883, 21.4793,
4.8177

■ 73.5935, 67.2517,
70.4116

■ 82.7471, 81.1638,
87.0123

93.2745, 97.2740,
105.7655

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.



49.3059, 31.5539, 49.3930



49.5040, 31.5539, 23.9034



43.8135, 31.5539, 10.5236

Triad

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



49.5040, 31.5539, 23.9034



19.7244, 31.5539, 10.0268



25.5959, 31.5539, 104.8695

Complementary

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



49.5040, 31.5539, 23.9034



54.3897, 79.5538, 83.7291

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.



19.4324, 31.5539, 80.0858



49.5040, 31.5539, 23.9034



16.5218, 31.5539, 22.7313

Square

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



49.5040, 31.5539, 23.9034



26.0757, 31.5539, 5.5758



16.4265, 31.5539, 47.4846



34.2798, 31.5539, 105.7277

Rectangle

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



49.5040, 31.5539, 23.9034



37.9869, 31.5539, 6.6546



16.4265, 31.5539, 47.4846



23.2042, 31.5539, 98.6670

Sweetspot

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



49.5048, 31.5556, 23.9039



76.7027, 71.9651, 76.0876



53.0357, 31.7409, 97.9388



15.8716, 14.5757, 15.2899



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.



49.5048, 31.5556, 23.9039



45.6214, 26.1578, 15.3057



53.5867, 42.4254, 16.9222



18.1511, 18.0438, 19.4131



21.8755, 11.2395, 2.7288



2.1656, 1.1086, 0.4534

Inverse Universe

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



49.5048, 31.5556, 23.9039



45.6214, 26.1578, 15.3057



45.6201, 54.8815, 102.7963



18.1511, 18.0438, 19.4131



21.8755, 11.2395, 2.7288



2.1656, 1.1086, 0.4534

Previews

White Background



This preview shows how the XYZ color 49.5040, 31.5539, 23.9034 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 49.5040, 31.5539, 23.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

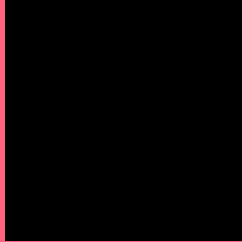
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5040, 31.5539, 23.9034

Background



This preview shows how black text looks on a background with the XYZ color 49.5040, 31.5539, 23.9034.



This preview shows how white text looks on a background with the XYZ color 49.5040, 31.5539,

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

49.5040, 31.5539, 23.9034

Protanopia

30.5554, 31.7268, 35.9659

Deuteranopia

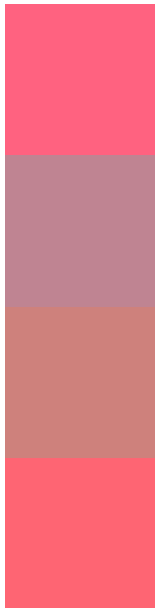
32.2450, 31.7129, 22.5109



Tritanopia

48.3312, 31.6563, 17.7503

Trichromacy



Original Color

49.5040, 31.5539, 23.9034

Protanomaly

34.9254, 29.6542, 31.0772

Deuteranomaly

36.9419, 30.2776, 22.9659

Tritanomaly

48.6212, 31.6160, 19.7595

Monochromacy



Original Color

49.5040, 31.5539, 23.9034

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

33.2839, 28.4531, 28.9371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5040, 31.5539, 23.9034 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, 98, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 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, 98, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.5040, 31.5539, 23.9034 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, 98, 128) }
```


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

```
.border{ border-color:rgb(255, 98, 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, 98, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5040, 31.5539, 23.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 128) }
```

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

```
.background{ background-color: rgb(255, 98,  
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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