

Converting Colors

XYZ(49.7065, 31.6051, 39.0779)

Have a look what the booklet for
XYZ(49.7065, 31.6051, 39.0779)
contains.

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Color

**XYZ(49.7065, 31.6051,
39.0779)**

Conversions

Conversions Part 1

Format	Color
Hex	F764A5
RGB	247, 100, 165
RGB Percent	97%, 39%, 65%
CMY	0.0314, 0.6078, 0.3529
CMYK	0.00, 0.60, 0.33, 0.03
HSL	333°, 90%, 68%
HSV	333°, 60%, 97%
XYZ	49.7065, 31.6051, 39.0779
YIQ	151.3630, 66.7470, 51.3790

Conversions

Conversions Part 2

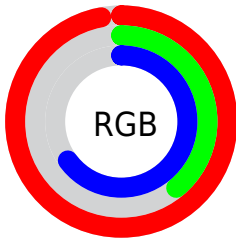
Format	Color
R_{YB}	247, 100, 165
Decimal	16213157
CIE _{Lab}	63.02, 62.25, -5.90
CIE _{LCh}	63, 62.532, 354.588
Yxy	31.6051, 0.4129, 0.2625
Android (android.graphics.Color)	4294403237 (0xFFFF764A5)
YUV	151.3630, 6.7230, 83.8736
Hunter-Lab	56.2184, 59.4417, -1.8601

Details

The XYZ color **49.7065, 31.6051, 39.0779** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **46.9616, 72.6092, 55.8000**, and the grayscale version is **29.5242, 31.0618, 33.8263**.

A 20% lighter version of the original color is **66.2152, 50.5412, 73.9757**, and **24.1997, 13.2081, 16.8967** is the 20% darker color. If you saturate the color by 10%, you get **46.4988, 27.0898, 32.1508**, and if you desaturate by 10%, it is **53.7690, 37.6134, 46.9572**.

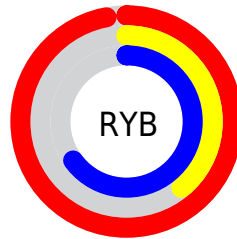
Distribution



Red (97%)

Green (39%)

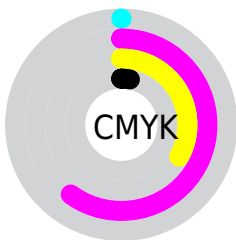
Blue (65%)



Red (97%)

Yellow (39%)

Blue (65%)

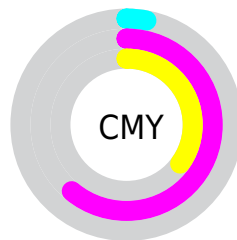


Cyan (0%)

Magenta (60%)

Yellow (33%)

Black (3%)



Cyan (3%)


Magenta (61%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7065, 31.6051, 39.0779 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 49.7065, 31.6051, 39.0779 by changing the saturation by 10% instead.


 49.7065, 31.6051,
39.0779


 49.7065, 31.6051,
39.0779


375.9881,
309.3164, 357.6574


 35.3971, 21.0600,
26.5120


 88.9343, 62.1915,
74.9790


 24.1369, 13.1679,
16.9779

 114.5834, 83.0016,
99.1512

 15.5605, 7.5443,
10.0569


 144.7431,
108.0022, 128.0294

 9.3025, 3.8047,
5.3306

 179.7787,
137.5777, 162.0320

 4.9977, 1.5650,
2.3804

220.0557,
172.1125, 201.5775

 2.2807, 0.3338,
0.7758

265.9393,

 0.7847, 0.0000,

211.9909, 247.0846

0.0000

317.7950,
257.5974, 298.9717

■ 0.0000, 0.0000,
0.0000

■ 49.7065, 31.6051,
39.0779

■ 49.7065, 31.6051,
39.0779

■ 46.4988, 27.0898,
32.1508

■ 53.7690, 37.6134,
46.9572

■ 44.0718, 23.9266,
26.1293

■ 58.7464, 45.2291,
55.8280

■ 42.3421, 21.9557,
20.9637

■ 64.6964, 54.5608,
65.7291

■ 41.1792, 20.9237,
16.5873

■ 71.6709, 65.7063,
76.6961

■ 41.1296, 20.8829,
16.3907

■ 79.7178, 78.7561,
88.7629

88.8821, 93.7942,
101.9616

92.1679, 98.5142,
108.7651

Harmonies

Analogous

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



45.6436, 31.6051, 69.8214



49.7065, 31.6051, 39.0779



47.7372, 31.6051, 18.2211

Triad

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



49.7065, 31.6051, 39.0779



23.6675, 31.6051, 6.8055



21.4359, 31.6051, 89.2831

Complementary

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



49.7065, 31.6051, 39.0779



46.9616, 72.6092, 55.8000

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.



17.3661, 31.6051, 58.1358



49.7065, 31.6051, 39.0779



18.4717, 31.6051, 13.6100

Square

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



49.7065, 31.6051, 39.0779



31.6273, 31.6051, 5.5107



16.3947, 31.6051, 30.1342



28.5061, 31.6051, 106.4297

Rectangle

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



49.7065, 31.6051, 39.0779



43.4313, 31.6051, 10.7144



16.3947, 31.6051, 30.1342



19.7297, 31.6051, 79.5493

Sweetspot

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



49.7074, 31.6067, 39.0785



78.2631, 72.5892, 84.3042



40.3683, 25.6374, 90.8167



16.2481, 14.7263, 17.2722



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.



49.7074, 31.6067, 39.0785



49.5183, 28.4840, 33.4605



45.9536, 31.2846, 15.6752



16.8035, 16.6043, 18.7120



21.8208, 11.0718, 9.0308



1.9687, 0.9934, 1.0613

Inverse Universe

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



49.7074, 31.6067, 39.0785



49.5183, 28.4840, 33.4605



53.1023, 71.5399, 99.0057



16.8035, 16.6043, 18.7120



21.8208, 11.0718, 9.0308



1.9687, 0.9934, 1.0613

Previews

White Background



This preview shows how the XYZ color 49.7065, 31.6051, 39.0779 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 49.7065, 31.6051, 39.0779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

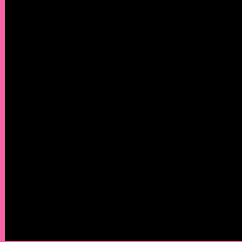
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7065, 31.6051, 39.0779

Background



This preview shows how black text looks on a background with the XYZ color 49.7065, 31.6051, 39.0779.



This preview shows how white text looks on a background with the XYZ color 49.7065, 31.6051,

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

49.7065, 31.6051, 39.0779

Protanopia

32.0749, 31.7859, 57.8708

Deuteranopia

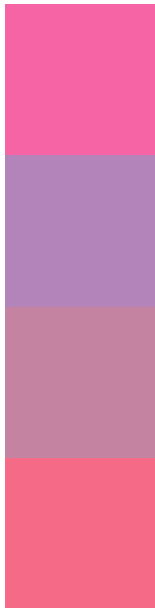
32.2785, 31.6478, 36.7551



Tritanopia

45.8081, 31.5146, 20.8081

Trichromacy



Original Color

49.7065, 31.6051, 39.0779

Protanomaly

35.7046, 29.6314, 50.2920

Deuteranomaly

37.0550, 30.4079, 37.6345

Tritanomaly

46.8354, 31.2904, 26.4928

Monochromacy



Original Color

49.7065, 31.6051, 39.0779

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.5017, 29.3419, 35.2976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7065, 31.6051, 39.0779 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(247, 100, 165)` looks like.

```
.text, #text, p{  
    color:rgb(247, 100, 165)  
}
```

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(247, 100, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 100, 165) }
```

Border

The CSS property to change the border of an element to XYZ 49.7065, 31.6051, 39.0779 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(247, 100, 165) }
```


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

```
.border{ border-color:rgb(247, 100, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 100, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 100, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 100, 165);  
box-shadow:4px 4px 4px 4px rgb(247, 100,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7065, 31.6051, 39.0779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 100, 165) }
```

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

```
.background{ background-color: rgb(247,  
100, 165) }
```

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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