

Converting Colors

XYZ(49.7440, 31.6931, 46.4904)

Have a look what the booklet for
XYZ(49.7440, 31.6931, 46.4904)
contains.

XYZ(49.9517, 31.8527, 46.6955)	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(49.9517, 31.8527,
46.6955)**

Conversions

Conversions Part 1

Format	Color
Hex	F366B4
RGB	243, 102, 180
RGB Percent	95%, 40%, 71%
CMY	0.0471, 0.6000, 0.2941
CMYK	0.00, 0.58, 0.26, 0.05
HSL	327°, 85%, 68%
HSV	327°, 58%, 95%
XYZ	49.9517, 31.8527, 46.6955
YIQ	153.0510, 58.9980, 54.1500

Conversions

Conversions Part 2

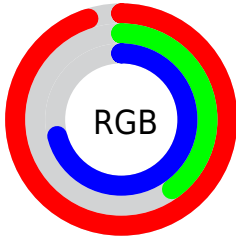
Format	Color
R_{YB}	243, 102, 180
Decimal	15951540
CIE _{Lab}	63.22, 62.03, -14.24
CIE _{LCh}	63, 63.640, 347.074
Yxy	31.8527, 0.3887, 0.2479
Android (android.graphics.Color)	4294141620 (0xFFFF366B4)
YUV	153.0510, 13.2859, 78.8853
Hunter-Lab	56.4382, 59.2180, -9.5483

Details

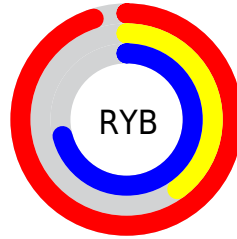
The XYZ color **49.9517, 31.8527, 46.6955** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **44.3232, 69.6434, 46.7072**, and the grayscale version is **30.2277, 31.8019, 34.6323**.

A 20% lighter version of the original color is **68.7785, 52.1124, 85.7906**, and **24.1872, 13.2555, 21.3624** is the 20% darker color. If you saturate the color by 10%, you get **46.8407, 27.3320, 40.4132**, and if you desaturate by 10%, it is **53.8509, 37.8106, 53.6686**.

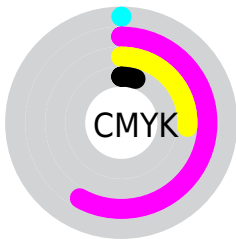
Distribution



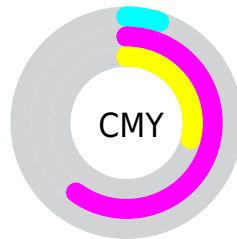
- Red (95%)
- Green (40%)
- Blue (71%)



- Red (95%)
- Yellow (40%)
- Blue (71%)



- Cyan (0%)
- Magenta (58%)
- Yellow (26%)
- Black (5%)





- Cyan (5%)
- Magenta (60%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9517, 31.8527, 46.6955 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 49.9517, 31.8527, 46.6955 by changing the saturation by 10% instead.


 49.9517, 31.8527,
46.6955


 49.9517, 31.8527,
46.6955


376.9321,
310.4477, 389.9563


 35.5927, 21.2490,
32.4424


 89.2956, 62.5801,
86.6041


 24.2884, 13.3061,
21.4320


 115.0111, 83.4726,
113.0967

 15.6736, 7.6397,
13.2458


 145.2428,
108.5635, 144.5062

 9.3829, 3.8653,
7.4653

 180.3561,
138.2372, 181.2512

 5.0508, 1.5985,
3.6720

220.7164,
172.8781, 223.7501

 2.3122, 0.3566,
1.4472

266.6889,

 0.8009, 0.0000,

212.8705, 272.4216

0.1781

318.6390,
258.5989, 327.6841

■ 0.0000, 0.0000,
0.0000

■ 49.9517, 31.8527,
46.6955

■ 49.9517, 31.8527,
46.6955

■ 46.8407, 27.3320,
40.4132

■ 53.8509, 37.8106,
53.6686

■ 44.4501, 24.1167,
34.7886

■ 58.5930, 45.3128,
61.3594

■ 42.7043, 22.0588,
29.7867

■ 64.2306, 54.4613,
69.7948

■ 41.4989, 20.9529,
25.3622

■ 70.8112, 65.3484,
78.9995

■ 41.2947, 20.7877,
24.5444

■ 78.3789, 78.0591,
88.9968

■ 86.9747, 92.6731,
99.8087

■ 90.7722, 97.7947,
108.6998

Harmonies

Analogous

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



44.4382, 31.8527, 79.2830



49.9517, 31.8527, 46.6955



49.5102, 31.8527, 22.3068

Triad

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



49.9517, 31.8527, 46.6955



25.5720, 31.8527, 5.9165



20.1481, 31.8527, 83.6679

Complementary

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



49.9517, 31.8527, 46.6955



44.3232, 69.6434, 46.7072

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.



16.8055, 31.8527, 50.9521



49.9517, 31.8527, 46.6955



19.4948, 31.8527, 11.0346

Square

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



49.9517, 31.8527, 46.6955



34.2215, 31.8527, 5.6415



16.5922, 31.8527, 24.9292



26.6443, 31.8527, 106.6374

Rectangle

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



49.9517, 31.8527, 46.6955



45.8882, 31.8527, 12.8973



16.5922, 31.8527, 24.9292



18.6783, 31.8527, 72.8849

Sweetspot

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



49.9527, 31.8543, 46.6961



79.7827, 74.2068, 89.1936



36.0555, 23.7729, 87.4825



16.7370, 15.3167, 18.6296



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.



49.9527, 31.8543, 46.6961



51.6206, 29.6027, 43.6749



44.6061, 29.7157, 18.5415



16.8828, 16.6360, 19.1295



22.7330, 11.4366, 13.8341



2.0497, 1.0259, 1.4883

Inverse Universe

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



49.9527, 31.8543, 46.6961



51.6206, 29.6027, 43.6749



52.3250, 72.8441, 88.8440



16.8828, 16.6360, 19.1295



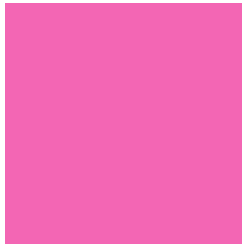
22.7330, 11.4366, 13.8341



2.0497, 1.0259, 1.4883

Previews

White Background



This preview shows how the XYZ color 49.9517, 31.8527, 46.6955 looks on a white background.

Color Contrast Check

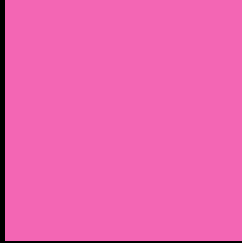
Large Text (above 18pt) WCAG AA × Fail

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 49.9517, 31.8527, 46.6955 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 49.9517, 31.8527, 46.6955

Background



This preview shows how black text looks on a background with the XYZ color 49.9517, 31.8527, 46.6955.



This preview shows how white text looks on a background with the XYZ color 49.9517, 31.8527,

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

49.9517, 31.8527, 46.6955

Protanopia

33.1639, 32.1078, 68.7395

Deuteranopia

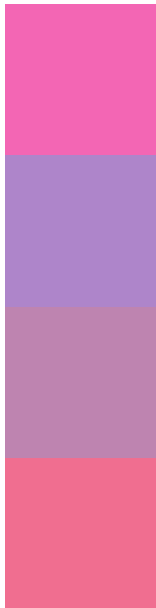
32.5883, 31.8830, 43.9716



Tritanopia

44.9658, 31.8687, 22.5202

Trichromacy



Original Color

49.9517, 31.8527, 46.6955

Protanomaly

36.5038, 30.0380, 59.7511

Deuteranomaly

37.3229, 30.5843, 45.0105

Tritanomaly

46.5452, 31.6907, 30.0493

Monochromacy



Original Color

49.9517, 31.8527, 46.6955

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

35.3857, 30.1336, 38.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9517, 31.8527, 46.6955 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(243, 102, 180)` looks like.

```
.text, #text, p{  
    color:rgb(243, 102, 180)  
}
```

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(243, 102, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 102, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.9517, 31.8527, 46.6955 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(243, 102, 180) }
```


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

```
.border{ border-color:rgb(243, 102, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 102, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 102, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 102, 180);  
box-shadow:4px 4px 4px 4px rgb(243, 102,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9517, 31.8527, 46.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 102, 180) }
```

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

```
.background{ background-color: rgb(243,  
102, 180) }
```

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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