

Converting Colors

XYZ(48.2477, 32.5349, 31.5676)

Have a look what the booklet for
XYZ(48.2477, 32.5349, 31.5676)
contains.

XYZ(48.2295, 32.5231, 31.7526)	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(48.2295, 32.5231,
31.7526)**

Conversions

Conversions Part 1

Format	Color
Hex	F46E94
RGB	244, 110, 148
RGB Percent	96%, 43%, 58%
CMY	0.0431, 0.5686, 0.4196
CMYK	0.00, 0.55, 0.39, 0.04
HSL	343°, 86%, 69%
HSV	343°, 55%, 96%
XYZ	48.2295, 32.5231, 31.7526
YIQ	154.3980, 67.6660, 40.2260

Conversions

Conversions Part 2

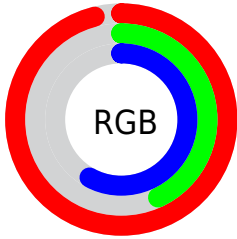
Format	Color
R_{YB}	244, 110, 148
Decimal	16019092
CIE _{Lab}	63.77, 54.96, 4.91
CIE _{LCh}	64, 55.176, 5.107
Yxy	32.5231, 0.4287, 0.2891
Android (android.graphics.Color)	4294209172 (0xFFFF46E94)
YUV	154.3980, -3.1542, 78.5810
Hunter-Lab	57.0290, 51.1568, 6.9089

Details

The XYZ color **48.2295, 32.5231, 31.7526** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.9235, 72.4735, 69.7546**, and the grayscale version is **30.8838, 32.4922, 35.3840**.

A 20% lighter version of the original color is **65.5369, 52.7967, 62.6137**, and **23.2909, 13.7105, 12.9741** is the 20% darker color. If you saturate the color by 10%, you get **44.6690, 27.4519, 24.2467**, and if you desaturate by 10%, it is **52.7253, 39.1305, 40.6019**.

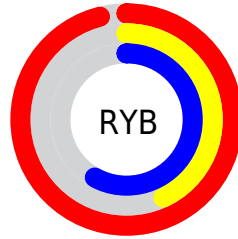
Distribution



Red (96%)

Green (43%)

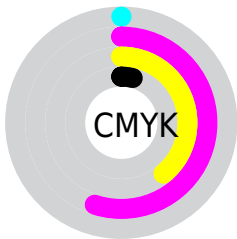
Blue (58%)



Red (96%)

Yellow (43%)

Blue (58%)

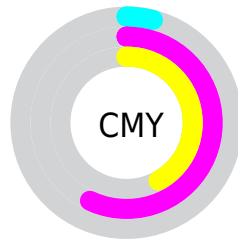


Cyan (0%)

Magenta (55%)

Yellow (39%)

Black (4%)



Cyan (4%)


Magenta (57%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2295, 32.5231, 31.7526 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 48.2295, 32.5231, 31.7526 by changing the saturation by 10% instead.


 48.2295, 32.5231,
31.7526


 48.2295, 32.5231,
31.7526

370.2686,
313.4953, 324.4486


 34.2207, 21.7614,
20.9093


 86.7536, 63.6302,
63.5164


 23.2269, 13.6817,
12.8672


 111.9997, 84.7445,
85.2741

 14.8827, 7.8996,
7.2075


 141.7221,
110.0783, 111.5070

 8.8229, 4.0308,
3.5118

 176.2864,
140.0161, 142.6336

 4.6820, 1.6908,
1.3615

216.0578,
174.9423, 179.0726

 2.0948, 0.4177,
0.1114

261.4017,

 0.6864, 0.0000,

215.2413, 221.2424

0.0000

312.6835,
261.2975, 269.5616

■ 0.0000, 0.0000,
0.0000

■ 48.2295, 32.5231,
31.7526

■ 48.2295, 32.5231,
31.7526

■ 44.6690, 27.4519,
24.2467

■ 52.7253, 39.1305,
40.6019

■ 41.9709, 23.7859,
18.0130

■ 58.2168, 47.3807,
50.8570

■ 40.0548, 21.3807,
12.9753

■ 64.7621, 57.3769,
62.5783

■ 38.8225, 20.0572,
9.0471

■ 72.4139, 69.2120,
75.8220

■ 38.3882, 19.6651,
7.4329

■ 81.2215, 82.9725,
90.6413

90.7803, 97.8379,
106.9363

91.1182, 97.9731,
108.7160

Harmonies

Analogous

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



46.4709, 32.5231, 56.5515



48.2295, 32.5231, 31.7526



44.7543, 32.5231, 16.1221

Triad

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



48.2295, 32.5231, 31.7526



23.1196, 32.5231, 10.7373



25.0619, 32.5231, 89.8451

Complementary

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



48.2295, 32.5231, 31.7526



49.9235, 72.4735, 69.7546

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.



20.2664, 32.5231, 66.0114



48.2295, 32.5231, 31.7526



19.2832, 32.5231, 20.3315

Square

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



48.2295, 32.5231, 31.7526



29.6065, 32.5231, 7.6653



18.3330, 32.5231, 39.3426



32.2558, 32.5231, 97.0821

Rectangle

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



48.2295, 32.5231, 31.7526



40.2304, 32.5231, 10.6964



18.3330, 32.5231, 39.3426



23.1570, 32.5231, 83.1322

Sweetspot

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



48.2304, 32.5248, 31.7532



79.0330, 74.9327, 82.0832



46.7536, 30.4947, 89.0099



16.5270, 15.4347, 16.9011



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.



48.2304, 32.5248, 31.7532



48.9564, 29.7609, 25.8726



49.0413, 38.1953, 19.5418



16.6923, 16.5598, 18.1261



20.9238, 10.7129, 4.3069



1.8813, 0.9585, 0.6011

Inverse Universe

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



48.2304, 32.5248, 31.7532



48.9564, 29.7609, 25.8726



47.6254, 59.5769, 94.5774



16.6923, 16.5598, 18.1261



20.9238, 10.7129, 4.3069



1.8813, 0.9585, 0.6011

Previews

White Background



This preview shows how the XYZ color 48.2295, 32.5231, 31.7526 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 48.2295, 32.5231, 31.7526 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 48.2295, 32.5231, 31.7526

Background



This preview shows how black text looks on a background with the XYZ color 48.2295, 32.5231, 31.7526.



This preview shows how white text looks on a background with the XYZ color 48.2295, 32.5231,

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

48.2295, 32.5231, 31.7526

Protanopia

32.0473, 32.8037, 44.1778

Deuteranopia

33.3091, 32.5618, 30.1207



Tritanopia

46.3238, 32.5688, 22.5838

Trichromacy



Original Color

48.2295, 32.5231, 31.7526

Protanomaly

35.7969, 31.1716, 39.2520

Deuteranomaly

37.5174, 31.6209, 30.5116

Tritanomaly

47.0321, 32.5309, 25.6300

Monochromacy



Original Color

48.2295, 32.5231, 31.7526

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.2495, 31.0088, 33.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2295, 32.5231, 31.7526 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(244, 110, 148)` looks like.

```
.text, #text, p{  
    color:rgb(244, 110, 148)  
}
```

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(244, 110, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 110, 148) }
```

Border

The CSS property to change the border of an element to XYZ 48.2295, 32.5231, 31.7526 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(244, 110, 148) }
```


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

```
.border{ border-color:rgb(244, 110, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 110, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 110, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 110, 148);  
box-shadow:4px 4px 4px 4px rgb(244, 110,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2295, 32.5231, 31.7526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 110, 148) }
```

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

```
.background{ background-color: rgb(244,  
110, 148) }
```

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