

Converting Colors

XYZ(47.5627, 30.7677, 27.7283)

Have a look what the booklet for
XYZ(47.5627, 30.7677, 27.7283)
contains.

XYZ(47.5751, 30.7526, 27.8545)	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(47.5751, 30.7526,
27.8545)**

Conversions

Conversions Part 1

Format	Color
Hex	F7648B
RGB	247, 100, 139
RGB Percent	97%, 39%, 55%
CMY	0.0314, 0.6078, 0.4549
CMYK	0.00, 0.60, 0.44, 0.03
HSL	344°, 90%, 68%
HSV	344°, 60%, 97%
XYZ	47.5751, 30.7526, 27.8545
YIQ	148.3990, 75.0930, 43.2930

Conversions

Conversions Part 2

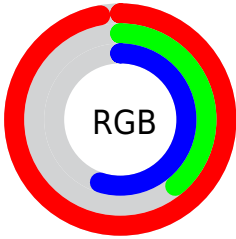
Format	Color
R_{YB}	247, 100, 139
Decimal	16213131
CIE Lab	62.30, 59.50, 8.03
CIE LCh	62, 60.041, 7.690
Yxy	30.7526, 0.4481, 0.2896
Android (android.graphics.Color)	4294403211 (0xFFFF7648B)
YUV	148.3990, -4.6337, 86.4731
Hunter-Lab	55.4550, 56.0896, 9.0378

Details

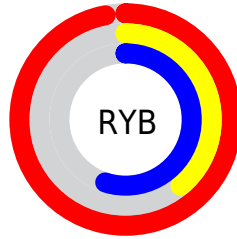
The XYZ color **47.5751, 30.7526, 27.8545** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.9033, 73.7856, 71.2914**, and the grayscale version is **28.3130, 29.7875, 32.4386**.

A 20% lighter version of the original color is **62.6429, 48.8427, 55.9951**, and **22.8117, 12.6780, 10.6960** is the 20% darker color. If you saturate the color by 10%, you get **44.3369, 26.2251, 20.7671**, and if you desaturate by 10%, it is **51.7529, 36.8071, 36.3417**.

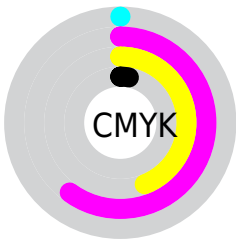
Distribution



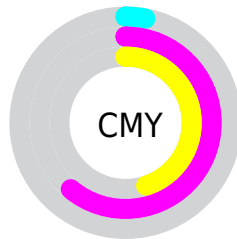
- Red (97%)
- Green (39%)
- Blue (55%)



- Red (97%)
- Yellow (39%)
- Blue (55%)



- Cyan (0%)
- Magenta (60%)
- Yellow (44%)
- Black (3%)





- Cyan (3%)
- Magenta (61%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5751, 30.7526, 27.8545 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 47.5751, 30.7526, 27.8545 by changing the saturation by 10% instead.


 47.5751, 30.7526,
27.8545


 47.5751, 30.7526,
27.8545


367.7161,
305.3969, 305.6610


 33.7004, 20.4105,
17.9779


 85.7850, 60.8504,
57.2724


 22.8253, 12.6938,
10.7649


 110.8508, 81.3748,
77.6507

 14.5846, 7.2180,
5.7968


 140.3777,
106.0622, 102.3668

 8.6128, 3.5988,
2.6551

 174.7311,
135.2970, 131.8390

 4.5445, 1.4518,
0.9207

214.2763,
169.4634, 166.4860

 2.0146, 0.2544,
0.0000

259.3786,

 0.6421, 0.0000,

208.9459, 206.7264

0.0000

310.4034,
254.1290, 252.9785

■ 0.0000, 0.0000,
0.0000

■ 47.5751, 30.7526,
27.8545

■ 47.5751, 30.7526,
27.8545

■ 44.3369, 26.2251,
20.7671

■ 51.7529, 36.8071,
36.3417

■ 41.9578, 23.0811,
14.9982

■ 56.9369, 44.5054,
46.2998

■ 40.3472, 21.1577,
10.4597

■ 63.1900, 53.9584,
57.7969

■ 39.3662, 20.1985,
7.0416

■ 70.5694, 65.2659,
70.8962

■ 39.3269, 20.1618,
6.8994

■ 79.1279, 78.5203,
85.6571

■ 88.9151, 93.8077,
102.1362

■ 92.1676, 98.5141,
108.7651

Harmonies

Analogous

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



46.1675, 30.7526, 53.4693



47.5751, 30.7526, 27.8545



43.3937, 30.7526, 12.9233

Triad

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



47.5751, 30.7526, 27.8545



20.6914, 30.7526, 9.1130



23.6983, 30.7526, 94.1577

Complementary

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



47.5751, 30.7526, 27.8545



49.9033, 73.7856, 71.2914

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.



18.5409, 30.7526, 68.9009



47.5751, 30.7526, 27.8545



17.0421, 30.7526, 19.2264

Square

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



47.5751, 30.7526, 27.8545



27.1912, 30.7526, 5.8564



16.3350, 30.7526, 39.8259



31.3671, 30.7526, 100.1425

Rectangle

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



47.5751, 30.7526, 27.8545



38.3857, 30.7526, 8.1396



16.3350, 30.7526, 39.8259



21.6589, 30.7526, 87.2172

Sweetspot

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



47.5759, 30.7542, 27.8550



77.1529, 72.1452, 78.4584



47.3033, 29.2127, 91.1408



15.9797, 14.6189, 15.8593



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.



47.5759, 30.7542, 27.8550



47.1968, 27.5554, 21.2360



49.2259, 37.8295, 16.7662



16.6796, 16.5547, 18.0594



20.8486, 10.6829, 3.9111



1.8732, 0.9552, 0.5587

Inverse Universe

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



47.5759, 30.7542, 27.8550



47.1968, 27.5554, 21.2360



45.7643, 56.8638, 96.5591



16.6796, 16.5547, 18.0594



20.8486, 10.6829, 3.9111



1.8732, 0.9552, 0.5587

Previews

White Background



This preview shows how the XYZ color 47.5751, 30.7526, 27.8545 looks on a white background.

Color Contrast Check

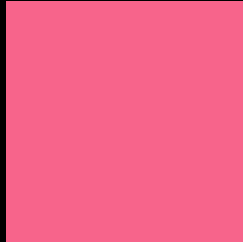
Large Text (above 18pt) WCAG AA × Fail

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 47.5751, 30.7526, 27.8545 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 47.5751, 30.7526, 27.8545

Background



This preview shows how black text looks on a background with the XYZ color 47.5751, 30.7526, 27.8545.



This preview shows how white text looks on a background with the XYZ color 47.5751, 30.7526,

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

47.5751, 30.7526, 27.8545

Protanopia

30.2758, 30.9923, 40.9456

Deuteranopia

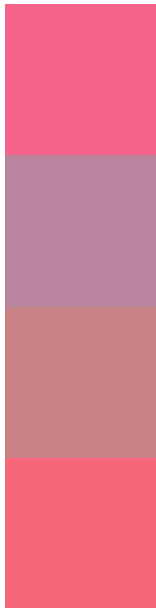
31.3035, 30.6874, 26.1032



Tritanopia

45.6324, 30.6855, 18.8470

Trichromacy



Original Color

47.5751, 30.7526, 27.8545

Protanomaly

34.3447, 29.2511, 35.7342

Deuteranomaly

35.7766, 29.5919, 26.7478

Tritanomaly

46.3691, 30.6985, 21.8938

Monochromacy



Original Color

47.5751, 30.7526, 27.8545

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.9943, 28.4673, 30.5438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5751, 30.7526, 27.8545 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(247, 100, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 100, 139) }
```

Border

The CSS property to change the border of an element to XYZ 47.5751, 30.7526, 27.8545 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, 139) }
```


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

```
.border{ border-color:rgb(247, 100, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 100, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 100, 139);  
box-shadow:4px 4px 4px 4px rgb(247, 100,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5751, 30.7526, 27.8545 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, 139) }
```

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

```
.background{ background-color: rgb(247,  
100, 139) }
```

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