

Converting Colors

XYZ(46.7553, 30.5421, 18.9150)

Have a look what the booklet for
XYZ(46.7553, 30.5421, 18.9150)
contains.

XYZ(46.6047, 30.4463, 19.0432)	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(46.6047, 30.4463,
19.0432)**

Conversions

Conversions Part 1

Format	Color
Hex	F96471
RGB	249, 100, 113
RGB Percent	98%, 39%, 44%
CMY	0.0235, 0.6078, 0.5569
CMYK	0.00, 0.60, 0.55, 0.02
HSL	355°, 93%, 68%
HSV	355°, 60%, 98%
XYZ	46.6047, 30.4463, 19.0432
YIQ	146.0330, 84.6310, 35.6310

Conversions

Conversions Part 2

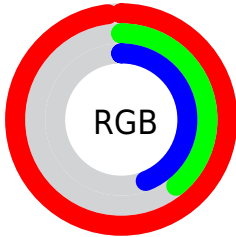
Format	Color
R _Y B	249, 100, 113
Decimal	16344177
CIE Lab	62.04, 57.91, 22.70
CIE LCh	62, 62.198, 21.406
Yxy	30.4463, 0.4850, 0.3168
Android (android.graphics.Color)	4294534257 (0xFFFF96471)
YUV	146.0330, -16.2853, 90.3021
Hunter-Lab	55.1782, 54.2033, 18.1624

Details

The XYZ color **46.6047, 30.4463, 19.0432** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.2735, 76.5174, 91.2714**, and the grayscale version is **27.3767, 28.8024, 31.3658**.

A 20% lighter version of the original color is **59.9200, 47.7535, 41.6565**, and **22.2406, 12.5323, 6.2478** is the 20% darker color. If you saturate the color by 10%, you get **43.4473, 25.9294, 12.4487**, and if you desaturate by 10%, it is **50.8136, 36.5537, 27.5693**.

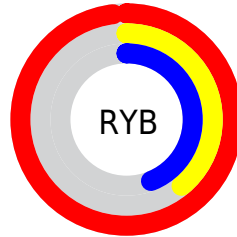
Distribution



Red (98%)

Green (39%)

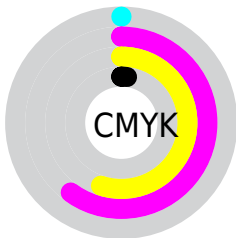
Blue (44%)



Red (98%)

Yellow (39%)

Blue (44%)

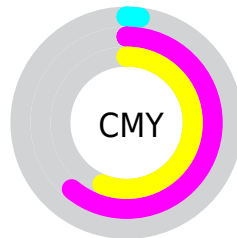


Cyan (0%)

Magenta (60%)

Yellow (55%)

Black (2%)



Cyan (2%)


Magenta (61%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6047, 30.4463, 19.0432 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 46.6047, 30.4463, 19.0432 by changing the saturation by 10% instead.


 46.6047, 30.4463,
19.0432

 46.6047, 30.4463,
19.0432

363.9098,
303.9793, 259.1178

 32.9299, 20.1776,
11.5244


 84.3456, 60.3673,
42.6448


 22.2317, 12.5242,
6.3021


 109.1424, 80.7883,
59.5646

 14.1448, 7.1017,
2.9579


 138.3773,
105.3622, 80.4551

 8.3038, 3.5258,
1.0732

 172.4155,
134.4735, 105.7349

 4.3434, 1.4120,
0.0000

211.6226,
168.5064, 135.8226

 1.8982, 0.2256,
0.0000

256.3637,

 0.5758, 0.0000,

207.8454, 171.1366

0.0000

307.0043,
252.8749, 212.0955

■ 0.0000, 0.0000,
0.0000

■ 46.6047, 30.4463,
19.0432

■ 46.6047, 30.4463,
19.0432

■ 43.4473, 25.9294,
12.4487

■ 50.8136, 36.5537,
27.5693

■ 41.2458, 22.8506,
7.6328

■ 56.1537, 44.3758,
38.1607

■ 39.8911, 21.0362,
4.4219

■ 62.6998, 54.0302,
50.9409

■ 39.2168, 20.2068,
2.5968

■ 70.5195, 65.6228,
66.0234

■ 39.2088, 20.1965,
2.5764

■ 79.6754, 79.2512,
83.5136

90.2260, 95.0067,
103.5105

92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



47.8901, 30.4463, 40.5067



46.6047, 30.4463, 19.0432



40.1518, 30.4463, 8.6371

Triad

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



46.6047, 30.4463, 19.0432



18.1174, 30.4463, 11.9469



26.6050, 30.4463, 102.5540

Complementary

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



46.6047, 30.4463, 19.0432



54.2735, 76.5174, 91.2714

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.



20.0350, 30.4463, 83.6306



46.6047, 30.4463, 19.0432



15.7907, 30.4463, 26.7442

Square

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



46.6047, 30.4463, 19.0432



23.4659, 30.4463, 6.1267



16.4179, 30.4463, 52.9205



35.2015, 30.4463, 97.0195

Rectangle

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



46.6047, 30.4463, 19.0432



34.3648, 30.4463, 5.8798



16.4179, 30.4463, 52.9205



24.1154, 30.4463, 98.6066

Sweetspot

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



46.6055, 30.4480, 19.0437



76.0883, 71.7193, 72.8519



55.6215, 33.4650, 93.1499



15.7248, 14.5169, 14.5166



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.



46.6055, 30.4480, 19.0437



45.2559, 26.5124, 11.8370



53.8699, 46.0648, 18.1110



17.3060, 17.2498, 18.2014



21.0089, 10.8193, 1.4893



1.9660, 1.0102, 0.2446

Inverse Universe

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



46.6055, 30.4480, 19.0437



45.2559, 26.5124, 11.8370



40.6398, 46.1183, 96.3819



17.3060, 17.2498, 18.2014



21.0089, 10.8193, 1.4893



1.9660, 1.0102, 0.2446

Previews

White Background



This preview shows how the XYZ color 46.6047, 30.4463, 19.0432 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 46.6047, 30.4463, 19.0432 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 46.6047, 30.4463, 19.0432

Background



This preview shows how black text looks on a background with the XYZ color 46.6047, 30.4463, 19.0432.



This preview shows how white text looks on a background with the XYZ color 46.6047, 30.4463,

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

46.6047, 30.4463, 19.0432

Protanopia

29.0606, 30.6582, 27.6785

Deuteranopia

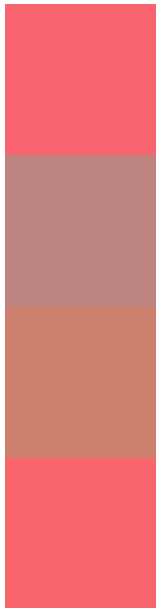
31.1652, 30.5708, 17.8938



Tritanopia

46.3744, 30.5086, 17.3545

Trichromacy



Original Color

46.6047, 30.4463, 19.0432

Protanomaly

33.3828, 29.0082, 24.2618

Deuteranomaly

35.3813, 29.3798, 18.2741

Tritanomaly

46.4809, 30.5512, 17.9152

Monochromacy



Original Color

46.6047, 30.4463, 19.0432

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.6818, 27.4890, 26.1904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6047, 30.4463, 19.0432 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(249, 100, 113)` looks like.

```
.text, #text, p{  
    color:rgb(249, 100, 113)  
}
```

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(249, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 100, 113) }
```

Border

The CSS property to change the border of an element to XYZ 46.6047, 30.4463, 19.0432 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(249, 100, 113) }
```


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

```
.border{ border-color:rgb(249, 100, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 100, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 100, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 100, 113); box-shadow:4px 4px 4px 4px rgb(249, 100, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6047, 30.4463, 19.0432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 100, 113) }
```

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

```
.background{ background-color: rgb(249,  
100, 113) }
```

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