

Converting Colors

XYZ(46.5122, 28.4600, 13.9975)

Have a look what the booklet for
XYZ(46.5122, 28.4600, 13.9975)
contains.

XYZ(46.5216, 28.4452, 14.1048)	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(46.5216, 28.4452,
14.1048)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5460
RGB	255, 84, 96
RGB Percent	100%, 33%, 38%
CMY	0.0000, 0.6705, 0.6235
CMYK	0.00, 0.67, 0.62, 0.00
HSL	356°, 100%, 66%
HSV	356°, 67%, 100%
XYZ	46.5216, 28.4452, 14.1048
YIQ	136.4970, 98.0640, 39.9840

Conversions

Conversions Part 2

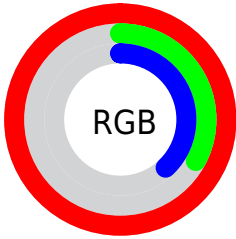
Format	Color
R_{YB}	255, 84, 96
Decimal	16733280
CIE _{Lab}	60.29, 65.21, 30.34
CIE _{LCh}	60, 71.921, 24.948
Yxy	28.4452, 0.5223, 0.3194
Android (android.graphics.Color)	4294923360 (0xFFFF5460)
YUV	136.4970, -19.9650, 103.9271
Hunter-Lab	53.3340, 62.3653, 21.6539

Details

The XYZ color **46.5216, 28.4452, 14.1048** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **55.5961, 79.8765, 97.2896**, and the grayscale version is **23.6367, 24.8677, 27.0809**.

A 20% lighter version of the original color is **56.1013, 42.6813, 32.4756**, and **22.1050, 11.3935, 4.0517** is the 20% darker color. If you saturate the color by 10%, you get **43.9578, 24.8095, 8.6522**, and if you desaturate by 10%, it is **50.1358, 33.6557, 21.5317**.

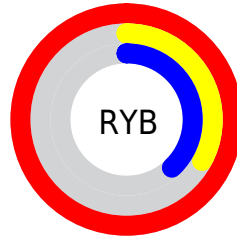
Distribution



Red (100%)

Green (33%)

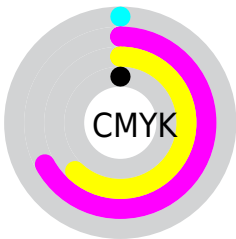
Blue (38%)



Red (100%)

Yellow (33%)

Blue (38%)

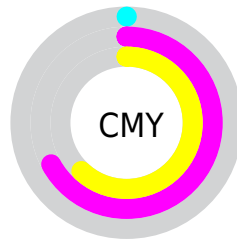


Cyan (0%)

Magenta (67%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5216, 28.4452, 14.1048 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 46.5216, 28.4452, 14.1048 by changing the saturation by 10% instead.


 46.5216, 28.4452,
14.1048


 46.5216, 28.4452,
14.1048


363.5826,
294.5882, 229.3329

 32.8640, 18.6615,
8.0540


 84.2222, 57.1944,
33.9947


 22.1810, 11.4260,
4.0413


 108.9958, 76.9288,
48.6708

 14.1073, 6.3541,
1.6480


 138.2056,
100.7489, 67.0592

 8.2775, 3.0616,
0.3247

 172.2167,
129.0390, 89.5783

 4.3263, 1.1640,
0.0000

211.3946,
162.1836, 116.6466

 1.8884, 0.0320,
0.0000

256.1047,

 0.5701, 0.0000,

200.5670, 148.6828

0.0000

306.7122,
244.5738, 186.1054

■ 0.0000, 0.0000,
0.0000

■ 46.5216, 28.4452,
14.1048

■ 46.5216, 28.4452,
14.1048

■ 43.9578, 24.8095,
8.6522

■ 50.1358, 33.6557,
21.5317

■ 42.3294, 22.5664,
4.9838

■ 54.8954, 40.5870,
31.0963

■ 41.4952, 21.4925,
2.8735

■ 60.8870, 49.3742,
42.9465

■ 41.3479, 21.3031,
2.4997

■ 68.1883, 60.1373,
57.2166

■ 76.8705, 72.9865,
74.0305

86.9998, 88.0237,
93.5038

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



48.8369, 28.4452, 35.6649



46.5216, 28.4452, 14.1048



38.5582, 28.4452, 5.2201

Triad

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



46.5216, 28.4452, 14.1048



14.9589, 28.4452, 9.9971



25.5040, 28.4452, 114.1502

Complementary

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



46.5216, 28.4452, 14.1048



55.5961, 79.8765, 97.2896

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.



18.0741, 28.4452, 93.9583



46.5216, 28.4452, 14.1048



12.9356, 28.4452, 26.7099

Square

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



46.5216, 28.4452, 14.1048



20.2228, 28.4452, 3.9705



13.9305, 28.4452, 57.7240



35.2304, 28.4452, 103.6495

Rectangle

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



46.5216, 28.4452, 14.1048



31.9100, 28.4452, 3.2561



13.9305, 28.4452, 57.7240



22.6860, 28.4452, 110.5015

Sweetspot

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



46.5223, 28.4468, 14.1053



74.1659, 68.9789, 68.8066



57.4115, 32.2192, 97.8001



15.3468, 13.9832, 13.7060



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.



46.5223, 28.4468, 14.1053



43.3868, 24.0128, 7.3955



54.6045, 45.4283, 14.2804



18.0610, 18.0077, 18.9385



21.6241, 11.1389, 1.4051



2.1226, 1.0914, 0.2271

Inverse Universe

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



46.5223, 28.4468, 14.1053



43.3868, 24.0128, 7.3955



38.7966, 43.2843, 100.9170



18.0610, 18.0077, 18.9385



21.6241, 11.1389, 1.4051



2.1226, 1.0914, 0.2271

Previews

White Background



This preview shows how the XYZ color 46.5216, 28.4452, 14.1048 looks on a white background.

Color Contrast Check

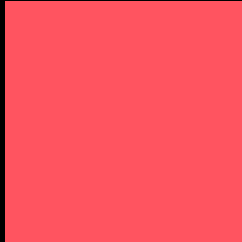
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5216, 28.4452, 14.1048 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 × Fail

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

XYZ 46.5216, 28.4452, 14.1048

Background



This preview shows how black text looks on a background with the XYZ color 46.5216, 28.4452, 14.1048.



This preview shows how white text looks on a background with the XYZ color 46.5216, 28.4452,

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

46.5216, 28.4452, 14.1048

Protanopia

26.9647, 28.5260, 22.4972

Deuteranopia

29.0844, 28.5005, 12.9851



Tritanopia

46.3340, 28.4952, 12.7309

Trichromacy



Original Color

46.5216, 28.4452, 14.1048

Protanomaly

31.5495, 26.4345, 19.0623

Deuteranomaly

33.6191, 26.9110, 13.0953

Tritanomaly

46.4203, 28.5297, 13.1854

Monochromacy



Original Color

46.5216, 28.4452, 14.1048

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

28.8137, 24.0653, 21.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5216, 28.4452, 14.1048 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(255, 84, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 96)  
}
```

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(255, 84, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 96) }
```

Border

The CSS property to change the border of an element to XYZ 46.5216, 28.4452, 14.1048 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(255, 84, 96) }
```


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

```
.border{ border-color:rgb(255, 84, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5216, 28.4452, 14.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 96) }
```

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

```
.background{ background-color: rgb(255, 84,  
96) }
```

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