

Converting Colors

XYZ(56.8268, 41.4060, 41.1241)

Have a look what the booklet for
XYZ(56.8268, 41.4060, 41.1241)
contains.

XYZ(56.7869, 41.3411, 41.0630)	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(56.7869, 41.3411,
41.0630)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87A6
RGB	255, 135, 166
RGB Percent	100%, 53%, 65%
CMY	0.0000, 0.4706, 0.3490
CMYK	0.00, 0.47, 0.35, 0.00
HSL	345°, 100%, 76%
HSV	345°, 47%, 100%
XYZ	56.7869, 41.3411, 41.0630
YIQ	174.4140, 61.5690, 35.0810

Conversions

Conversions Part 2

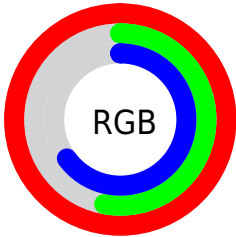
Format	Color
RYB	255, 135, 166
Decimal	16746406
CIELab	70.41, 48.65, 4.49
CIElCh	70, 48.853, 5.277
Yxy	41.3411, 0.4080, 0.2970
Android (android.graphics.Color)	4294936486 (0xFFFF87A6)
YUV	174.4140, -4.1481, 70.6739
Hunter-Lab	64.2970, 45.1307, 7.1427

Details

The XYZ color **56.7869, 41.3411, 41.0630** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **59.2082, 82.0537, 83.2429**, and the grayscale version is **40.4447, 42.5510, 46.3380**.

A 20% lighter version of the original color is **72.9219, 63.7421, 76.8667**, and **28.4854, 18.7019, 18.0281** is the 20% darker color. If you saturate the color by 10%, you get **52.0362, 34.4151, 31.5399**, and if you desaturate by 10%, it is **62.6468, 50.0770, 52.2155**.

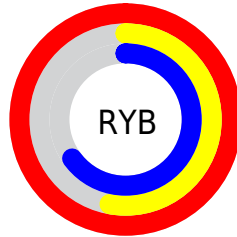
Distribution



Red (100%)

Green (53%)

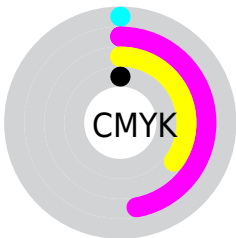
Blue (65%)



Red (100%)

Yellow (53%)

Blue (65%)

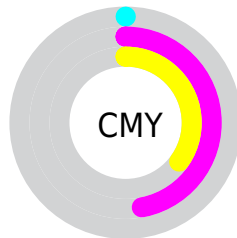


Cyan (0%)

Magenta (47%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7869, 41.3411, 41.0630 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 56.7869, 41.3411, 41.0630 by changing the saturation by 10% instead.


 56.7869, 41.3411,
41.0630


 56.7869, 41.3411,
41.0630


402.6774,
351.7442, 366.2683


 41.0736, 28.5857,
28.0482

 99.2873, 77.2014,
78.0342

 28.5646, 18.7676,
18.1227


 126.8052,
101.0751, 102.8278

 18.8943, 11.5025,
10.8677


 158.9887,
129.4238, 132.3847

 11.6975, 6.4059,
5.8649

196.2031,
162.6317, 167.1235

 6.6088, 3.0934,
2.6957

238.8139,
201.0833, 207.4627

 3.2628, 1.1807,
0.9412

287.1863,

 1.2942, 0.0459,

245.1630, 253.8209

0.0000

341.6857,
295.2552, 306.6166

■ 0.1789, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7869, 41.3411,
41.0630

■ 56.7869, 41.3411,
41.0630

■ 52.0362, 34.4151,
31.5399

■ 62.6468, 50.0770,
52.2155

■ 48.3186, 29.1649,
23.5649

■ 69.6789, 60.7322,
65.0685

■ 45.5531, 25.4473,
17.0525

■ 77.9449, 73.4147,
79.6916

■ 43.6443, 23.0922,
11.9074

■ 87.5015, 88.2226,
96.1496

■ 42.4728, 21.8835, 95.0500, 100.0000,
8.0198 108.9000

■ 42.2194, 21.6518,
7.0875

Harmonies

Analogous

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



55.0766, 41.3411, 66.1882



56.7869, 41.3411, 41.0630



53.3149, 41.3411, 23.9783

Triad

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



56.7869, 41.3411, 41.0630



31.0238, 41.3411, 17.6783



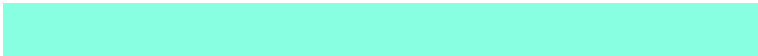
33.1754, 41.3411, 98.4014

Complementary

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



56.7869, 41.3411, 41.0630



59.2082, 82.0537, 83.2429

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.



27.9749, 41.3411, 75.7334



56.7869, 41.3411, 41.0630



26.8565, 41.3411, 28.9180

Square

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



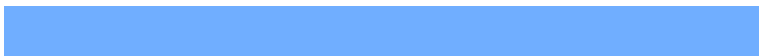
56.7869, 41.3411, 41.0630



37.8887, 41.3411, 13.7515



25.8213, 41.3411, 49.2094



40.7325, 41.3411, 105.0668

Rectangle

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



56.7869, 41.3411, 41.0630



48.7745, 41.3411, 17.5472



25.8213, 41.3411, 49.2094



31.1283, 41.3411, 92.0953

Sweetspot

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



56.7880, 41.3432, 41.0638



80.7259, 77.7101, 84.5235



57.1470, 40.2382, 99.3625



16.8557, 15.9796, 17.3575



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.



56.7880, 41.3432, 41.0638



52.4878, 35.0652, 32.4711



58.7119, 49.2058, 29.3275



18.2019, 18.0641, 19.6804



22.1116, 11.3339, 3.9723



2.1952, 1.1204, 0.6093

Inverse Universe

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



56.7880, 41.3432, 41.0638



52.4878, 35.0652, 32.4711



55.5124, 67.3106, 104.6742



18.2019, 18.0641, 19.6804



22.1116, 11.3339, 3.9723



2.1952, 1.1204, 0.6093

Previews

White Background



This preview shows how the XYZ color 56.7869, 41.3411, 41.0630 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 56.7869, 41.3411, 41.0630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

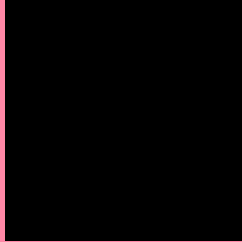
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7869, 41.3411, 41.0630

Background



This preview shows how black text looks on a background with the XYZ color 56.7869, 41.3411, 41.0630.



This preview shows how white text looks on a background with the XYZ color 56.7869, 41.3411,

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

56.7869, 41.3411, 41.0630

Protanopia

40.5168, 41.7508, 52.9370

Deuteranopia

42.4999, 41.6800, 39.5233



Tritanopia

54.9418, 41.1977, 33.0732

Trichromacy



Original Color

56.7869, 41.3411, 41.0630



Protanomaly

44.8919, 40.6075, 48.1198



Deuteranomaly

46.6511, 40.6860, 40.0447



Tritanomaly

55.7351, 41.3287, 36.0500

Monochromacy



Original Color

56.7869, 41.3411, 41.0630



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

44.5501, 40.7784, 44.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7869, 41.3411, 41.0630 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, 135, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 166)  
}
```

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, 135, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 166) }
```

Border

The CSS property to change the border of an element to XYZ 56.7869, 41.3411, 41.0630 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, 135, 166) }
```


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

```
.border{ border-color:rgb(255, 135, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 135, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7869, 41.3411, 41.0630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 166) }
```

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

```
.background{ background-color: rgb(255,  
135, 166) }
```

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