

Converting Colors

XYZ(56.8132, 42.8367, 36.7806)

Have a look what the booklet for
XYZ(56.8132, 42.8367, 36.7806)
contains.

XYZ(56.7656, 42.7101, 36.7045)	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(56.7656, 42.7101,
36.7045)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D9C
RGB	255, 141, 156
RGB Percent	100%, 55%, 61%
CMY	0.0000, 0.4470, 0.3882
CMYK	0.00, 0.45, 0.39, 0.00
HSL	352°, 100%, 78%
HSV	352°, 45%, 100%
XYZ	56.7656, 42.7101, 36.7045
YIQ	176.7960, 63.1290, 28.8330

Conversions

Conversions Part 2

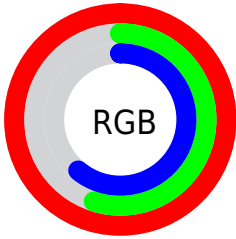
Format	Color
R _Y B	255, 141, 156
Decimal	16747932
CIE Lab	71.36, 44.53, 11.42
CIE LCh	71, 45.968, 14.390
Yxy	42.7101, 0.4168, 0.3136
Android (android.graphics.Color)	4294938012 (0xFFFF8D9C)
YUV	176.7960, -10.2524, 68.5849
Hunter-Lab	65.3530, 40.6775, 12.4477

Details

The XYZ color **56.7656, 42.7101, 36.7045** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **62.4748, 83.4749, 95.2624**, and the grayscale version is **41.7130, 43.8854, 47.7912**.

A 20% lighter version of the original color is **72.6128, 65.3930, 69.7678**, and **28.5452, 19.6015, 15.6436** is the 20% darker color. If you saturate the color by 10%, you get **51.7217, 35.3547, 26.5994**, and if you desaturate by 10%, it is **63.0192, 51.9375, 48.9004**.

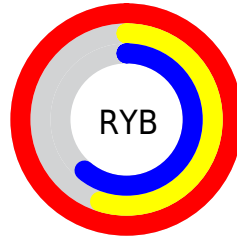
Distribution



Red (100%)

Green (55%)

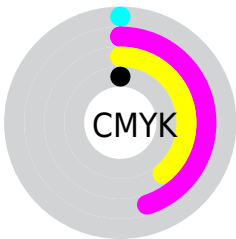
Blue (61%)



Red (100%)

Yellow (55%)

Blue (61%)

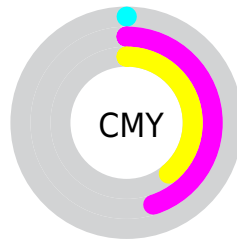


Cyan (0%)

Magenta (45%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (45%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7656, 42.7101, 36.7045 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 56.7656, 42.7101, 36.7045 by changing the saturation by 10% instead.


 56.7656, 42.7101,
36.7045


 56.7656, 42.7101,
36.7045


402.5988,
357.4182, 347.1595

 41.0565, 29.6577,
24.6848

 99.2564, 79.2732,
71.2993

 28.5511, 19.5789,
15.6255


 126.7688,
103.5527, 94.7115

 18.8841, 12.0893,
9.1081


158.9464,
132.3434, 122.7582

 11.6900, 6.8046,
4.7140

196.1545,
166.0297, 155.8581

 6.6037, 3.3402,
2.0246

238.7584,
204.9959, 194.4296

 3.2596, 1.3118,
0.5704

287.1235,

 1.2925, 0.1503,

249.6264, 238.8913

0.0000

341.6152,
300.3057, 289.6618

■ 0.1776, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7656, 42.7101,
36.7045

■ 56.7656, 42.7101,
36.7045

■ 51.7217, 35.3547,
26.5994

■ 63.0192, 51.9375,
48.9004

■ 47.8052, 29.7369,
18.4647

■ 70.5508, 63.1463,
63.2933

■ 44.9290, 25.7150,
12.1712

■ 79.4275, 76.4451,
79.9851

■ 42.9914, 23.1218,
7.5731

■ 89.7108, 91.9328,
99.0708

■ 41.8693, 21.7525, 95.0499, 100.0000,
4.5020 108.9000

■ 41.5221, 21.3728,
3.4158

Harmonies

Analogous

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



56.6632, 42.7101, 58.9281



56.7656, 42.7101, 36.7045



52.1725, 42.7101, 22.6250

Triad

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



56.7656, 42.7101, 36.7045



31.0573, 42.7101, 22.2308



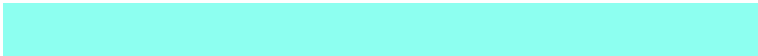
36.7241, 42.7101, 100.7478

Complementary

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



56.7656, 42.7101, 36.7045



62.4748, 83.4749, 95.2624

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.



30.8704, 42.7101, 83.1016



56.7656, 42.7101, 36.7045



27.8933, 42.7101, 35.9618

Square

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



56.7656, 42.7101, 36.7045



37.0108, 42.7101, 16.2519



27.8295, 42.7101, 57.9088



44.4028, 42.7101, 101.1411

Rectangle

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



56.7656, 42.7101, 36.7045



47.3660, 42.7101, 17.7058



27.8295, 42.7101, 57.9088



34.5015, 42.7101, 96.4366

Sweetspot

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



56.7667, 42.7123, 36.7053



81.0778, 78.9254, 83.0637



63.4435, 44.7624, 99.9037



16.8979, 16.2078, 16.9279



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.



56.7667, 42.7123, 36.7053



52.0385, 35.8135, 27.2440



62.9414, 56.9697, 32.8811



18.1066, 18.0260, 19.1786



21.7259, 11.1797, 1.9413



2.1441, 1.1000, 0.3401

Inverse Universe

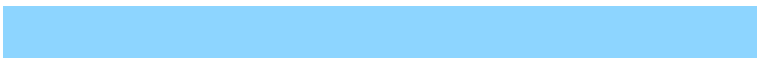
The Inverse Universe completely reimagines the original color for something new.



56.7667, 42.7123, 36.7053



52.0385, 35.8135, 27.2440



52.8810, 60.5738, 103.5123



18.1066, 18.0260, 19.1786



21.7259, 11.1797, 1.9413



2.1441, 1.1000, 0.3401

Previews

White Background



This preview shows how the XYZ color 56.7656, 42.7101, 36.7045 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 56.7656, 42.7101, 36.7045 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 56.7656, 42.7101, 36.7045

Background



This preview shows how black text looks on a background with the XYZ color 56.7656, 42.7101, 36.7045.



This preview shows how white text looks on a background with the XYZ color 56.7656, 42.7101,

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

56.7656, 42.7101, 36.7045

Protanopia

41.1361, 42.7931, 46.1362

Deuteranopia

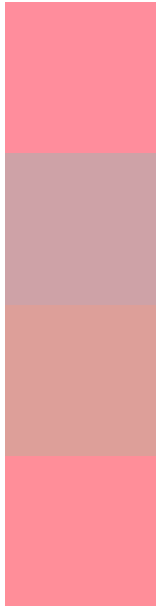
43.8613, 43.0278, 35.2716



Tritanopia

56.5805, 42.8730, 34.9990

Trichromacy



Original Color

56.7656, 42.7101, 36.7045

Protanomaly

45.3490, 41.7525, 42.2281

Deuteranomaly

47.9667, 42.4683, 35.8061

Tritanomaly

56.6628, 42.9059, 35.4322

Monochromacy



Original Color

56.7656, 42.7101, 36.7045

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

45.6137, 42.3946, 43.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7656, 42.7101, 36.7045 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, 141, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 156)  
}
```

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, 141, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 156) }
```

Border

The CSS property to change the border of an element to XYZ 56.7656, 42.7101, 36.7045 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, 141, 156) }
```


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

```
.border{ border-color:rgb(255, 141, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7656, 42.7101, 36.7045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 156) }
```

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

```
.background{ background-color: rgb(255,  
141, 156) }
```

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