

Converting Colors

XYZ(64.4987, 45.0731, 33.4081)

Have a look what the booklet for
XYZ(64.4987, 45.0731, 33.4081)
contains.

XYZ(54.9728, 40.1732, 32.8738)	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(54.9728, 40.1732,
32.8738)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8594
RGB	255, 133, 148
RGB Percent	100%, 52%, 58%
CMY	0.0000, 0.4784, 0.4196
CMYK	0.00, 0.48, 0.42, 0.00
HSL	353°, 100%, 76%
HSV	353°, 48%, 100%
XYZ	54.9728, 40.1732, 32.8738
YIQ	171.1880, 67.8970, 30.5290

Conversions

Conversions Part 2

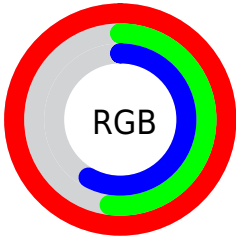
Format	Color
R _Y B	255, 133, 148
Decimal	16745876
CIE Lab	69.59, 47.65, 13.40
CIE LCh	70, 49.502, 15.708
Yxy	40.1732, 0.4294, 0.3138
Android (android.graphics.Color)	4294935956 (0xFFFF8594)
YUV	171.1880, -11.4317, 73.5031
Hunter-Lab	63.3823, 43.8976, 13.6164

Details

The XYZ color **54.9728, 40.1732, 32.8738** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **61.1631, 82.7986, 95.2012**, and the grayscale version is **38.8361, 40.8586, 44.4950**.

A 20% lighter version of the original color is **69.8839, 61.4907, 64.0627**, and **27.5063, 18.0759, 13.5945** is the 20% darker color. If you saturate the color by 10%, you get **50.2931, 33.3785, 23.4074**, and if you desaturate by 10%, it is **60.8440, 48.8034, 44.4256**.

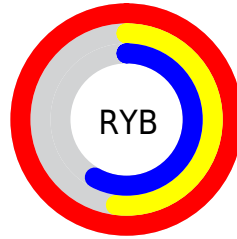
Distribution



Red (100%)

Green (52%)

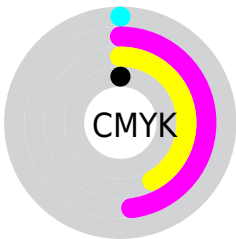
Blue (58%)



Red (100%)

Yellow (52%)

Blue (58%)

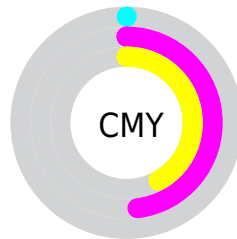


Cyan (0%)

Magenta (48%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9728, 40.1732, 32.8738 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 54.9728, 40.1732, 32.8738 by changing the saturation by 10% instead.


 54.9728, 40.1732,
32.8738


 54.9728, 40.1732,
32.8738


395.9469,
346.8530, 329.6952


 39.6137, 27.6736,
21.7595

 96.6497, 75.4272,
65.2922

 27.4203, 18.0798,
13.4836


 123.6981, 98.9504,
87.4333

 18.0274, 11.0073,
7.6278

 155.3738,
126.9169, 114.0871

 11.0695, 6.0717,
3.7734

192.0419,
159.7111, 145.6722

 6.1812, 2.8887,
1.5019

234.0680,
197.7174, 182.6069

 2.9973, 1.0739,
0.2193

281.8172,

 1.1523, 0.0000,

241.3203, 225.3100

0.0000

335.6551,
290.9040, 274.1999

■ 0.0682, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9728, 40.1732,
32.8738

■ 54.9728, 40.1732,
32.8738

■ 50.2931, 33.3785,
23.4074

■ 60.8440, 48.8034,
44.4256

■ 46.7195, 28.2804,
15.8992

■ 67.9778, 59.3824,
58.1751

■ 44.1604, 24.7304,
10.2115

■ 76.4435, 72.0217,
74.2291

■ 42.5075, 22.5513,
6.1875

■ 86.3045, 86.8226,
92.6869

■ 41.6207, 21.5079, 95.0499, 99.9999,
3.6406 108.9000

■ 41.4917, 21.3607,
3.2561

Harmonies

Analogous

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



55.0983, 40.1732, 55.5328



54.9728, 40.1732, 32.8738



49.9535, 40.1732, 19.1935

Triad

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



54.9728, 40.1732, 32.8738



28.2045, 40.1732, 19.6412



34.5135, 40.1732, 101.7662

Complementary

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



54.9728, 40.1732, 32.8738



61.1631, 82.7986, 95.2012

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.



28.4246, 40.1732, 83.4208



54.9728, 40.1732, 32.8738



25.1418, 40.1732, 33.7504

Square

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



54.9728, 40.1732, 32.8738



34.1715, 40.1732, 13.5777



25.2163, 40.1732, 56.7744



42.4977, 40.1732, 101.2725

Rectangle

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



54.9728, 40.1732, 32.8738



44.8618, 40.1732, 14.6372



25.2163, 40.1732, 56.7744



32.2031, 40.1732, 97.3799

Sweetspot

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



54.9738, 40.1753, 32.8745



80.0621, 77.4446, 81.0277



61.9454, 42.3016, 99.5076



16.6960, 15.9157, 16.5162



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.



54.9738, 40.1753, 32.8745



50.6426, 33.8822, 24.1255



61.3424, 54.6903, 29.5163



18.1002, 18.0234, 19.1447



21.7086, 11.1727, 1.8498



2.1411, 1.0988, 0.3242

Inverse Universe

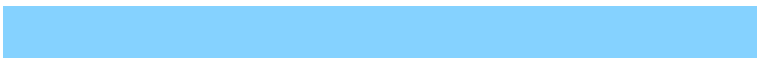
The Inverse Universe completely reimagines the original color for something new.



54.9738, 40.1753, 32.8745



50.6426, 33.8822, 24.1255



50.8372, 58.4334, 103.2069



18.1002, 18.0234, 19.1447



21.7086, 11.1727, 1.8498



2.1411, 1.0988, 0.3242

Previews

White Background



This preview shows how the XYZ color 54.9728, 40.1732, 32.8738 looks on a white background.

Color Contrast Check

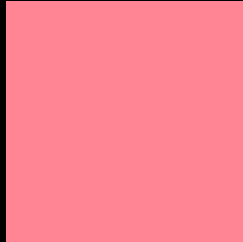
Large Text (above 18pt) WCAG AA × Fail

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 54.9728, 40.1732, 32.8738 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 54.9728, 40.1732, 32.8738

Background



This preview shows how black text looks on a background with the XYZ color 54.9728, 40.1732, 32.8738.



This preview shows how white text looks on a background with the XYZ color 54.9728, 40.1732,

32.8738.

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

54.9728, 40.1732, 32.8738

Protanopia

38.8053, 40.5381, 42.3386

Deuteranopia

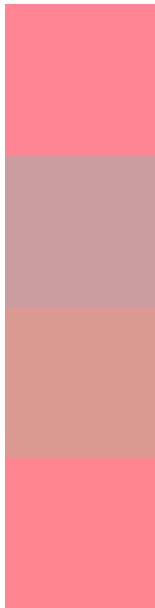
41.2593, 40.4044, 31.6108



Tritanopia

54.7230, 40.2934, 30.8798

Trichromacy



Original Color

54.9728, 40.1732, 32.8738

Protanomaly

43.0307, 39.3485, 38.5848

Deuteranomaly

45.4155, 39.7322, 32.0635

Tritanomaly

54.8759, 40.3545, 31.6850

Monochromacy



Original Color

54.9728, 40.1732, 32.8738

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

43.0250, 39.3148, 39.9712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9728, 40.1732, 32.8738 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, 133, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 148)  
}
```

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, 133, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 148) }
```

Border

The CSS property to change the border of an element to XYZ 54.9728, 40.1732, 32.8738 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, 133, 148) }
```


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

```
.border{ border-color:rgb(255, 133, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9728, 40.1732, 32.8738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 148) }
```

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

```
.background{ background-color: rgb(255,  
133, 148) }
```

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