

Converting Colors

XYZ(83.8953, 59.5307, 36.8228)

Have a look what the booklet for
XYZ(83.8953, 59.5307, 36.8228)
contains.

XYZ(58.2987, 46.3095, 35.5717)	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(58.2987, 46.3095,
35.5717)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9998
RGB	255, 153, 152
RGB Percent	100%, 60%, 60%
CMY	0.0000, 0.4000, 0.4039
CMYK	0.00, 0.40, 0.40, 0.00
HSL	1°, 100%, 80%
HSV	1°, 40%, 100%
XYZ	58.2987, 46.3095, 35.5717
YIQ	183.3840, 61.1130, 21.3130

Conversions

Conversions Part 2

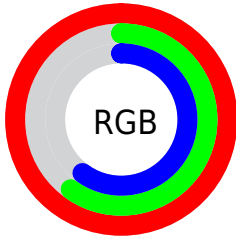
Format	Color
R _Y B	255, 153, 152
Decimal	16751000
CIE Lab	73.75, 37.99, 16.99
CIE LCh	74, 41.615, 24.094
Yxy	46.3095, 0.4159, 0.3304
Android (android.graphics.Color)	4294941080 (0xFFFF9998)
YUV	183.3840, -15.4723, 62.8072
Hunter-Lab	68.0511, 33.8298, 16.6437

Details

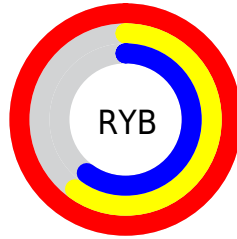
The XYZ color **58.2987, 46.3095, 35.5717** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **66.4389, 84.7751, 107.4690**, and the grayscale version is **45.2806, 47.6388, 51.8786**.

A 20% lighter version of the original color is **74.9365, 70.8280, 68.1141**, and **29.4118, 21.6560, 14.9418** is the 20% darker color. If you saturate the color by 10%, you get **52.7256, 38.1541, 24.4942**, and if you desaturate by 10%, it is **65.1976, 56.3979, 49.3069**.

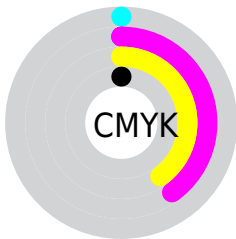
Distribution



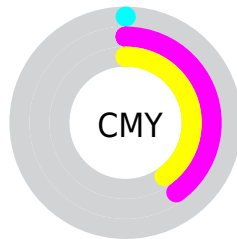
- Red (100%)
- Green (60%)
- Blue (60%)



- Red (100%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2987, 46.3095, 35.5717 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 58.2987, 46.3095, 35.5717 by changing the saturation by 10% instead.

58.2987, 46.3095,
35.5717

58.2987, 46.3095,
35.5717

408.2340,
372.0515, 342.0652

42.2930, 32.4901,
23.8165

101.4782, 84.6820,
69.5321

29.5229, 21.7361,
14.9866

129.3827,
110.0039, 92.5743

19.6230, 13.6631,
8.6635

161.9842,
139.9288, 120.2161

12.2280, 7.8868,
4.4285

199.6480,
174.8410, 152.8758

6.9724, 4.0226,
1.8633

242.7396,
215.1250, 190.9720

3.4910, 1.6862,
0.4692

291.6242,

1.4184, 0.4147,

261.1652, 234.9233

0.0000

346.6672,
313.3459, 285.1482

■ 0.2693, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2987, 46.3095,
35.5717

■ 58.2987, 46.3095,
35.5717

■ 52.7256, 38.1541,
24.4942

■ 65.1976, 56.3979,
49.3069

■ 48.3901, 31.8019,
15.9002

■ 73.4959, 68.5245,
65.8535

■ 45.1988, 27.1183,
9.5990

■ 83.2661, 82.7951,
85.3565

■ 43.0438, 23.9466,
5.3712

■ 94.5747, 99.3062,
107.9502

■ 41.7963, 22.1006, 95.0499, 99.9999,
2.9547 108.9000

■ 41.2669, 21.3140,
1.9390

Harmonies

Analogous

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



59.7116, 46.3095, 54.7263



58.2987, 46.3095, 35.5717



52.8833, 46.3095, 24.1278

Triad

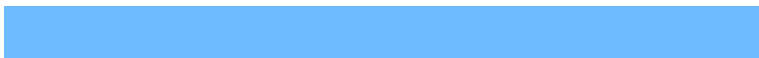
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.2987, 46.3095, 35.5717



33.4832, 46.3095, 30.1296



42.5702, 46.3095, 102.6812

Complementary

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



58.2987, 46.3095, 35.5717



66.4389, 84.7751, 107.4690

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.



36.1995, 46.3095, 91.0751



58.2987, 46.3095, 35.5717



31.3439, 46.3095, 46.3518

Square

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



58.2987, 46.3095, 35.5717



38.4676, 46.3095, 21.6564



32.2799, 46.3095, 68.9215



50.0733, 46.3095, 97.4260

Rectangle

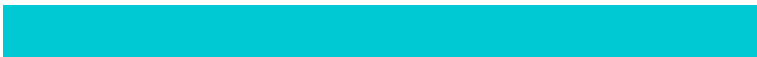
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2987, 46.3095, 35.5717



48.0248, 46.3095, 20.5450



32.2799, 46.3095, 68.9215



40.2363, 46.3095, 100.5406

Sweetspot

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



58.2999, 46.3118, 35.5726



81.5928, 80.3513, 82.0147



70.5183, 50.9368, 100.7226



17.1795, 16.7827, 16.9861



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.



58.2999, 46.3118, 35.5726



53.9429, 39.9362, 26.9110



68.3818, 66.4756, 38.9332



18.0236, 18.0154, 18.6717



21.5691, 11.1494, 1.0152



2.1049, 1.0951, 0.1004

Inverse Universe

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



66.4389, 84.7751, 107.4690



63.0396, 82.9336, 107.2930



52.4734, 56.8441, 102.8139



18.5388, 20.4492, 23.2199



27.7114, 40.3323, 55.7590



2.7029, 3.9365, 5.4306

Previews

White Background



This preview shows how the XYZ color 58.2987, 46.3095, 35.5717 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 58.2987, 46.3095, 35.5717 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 58.2987, 46.3095, 35.5717

Background



This preview shows how black text looks on a background with the XYZ color 58.2987, 46.3095, 35.5717.



This preview shows how white text looks on a background with the XYZ color 58.2987, 46.3095,

35.5717.

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

58.2987, 46.3095, 35.5717

Protanopia

44.3931, 46.6197, 42.7351

Deuteranopia

47.5392, 46.6469, 34.5151



Tritanopia

59.0791, 46.3608, 40.4851

Trichromacy



Original Color

58.2987, 46.3095, 35.5717



Protanomaly

48.4365, 45.8452, 40.0143



Deuteranomaly

50.9221, 46.1383, 34.6555



Tritanomaly

58.7262, 46.2197, 38.6270

Monochromacy



Original Color

58.2987, 46.3095, 35.5717



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

48.4934, 46.0389, 45.3602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2987, 46.3095, 35.5717 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, 153, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 152)  
}
```

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, 153, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 152) }
```

Border

The CSS property to change the border of an element to XYZ 58.2987, 46.3095, 35.5717 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, 153, 152) }
```


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

```
.border{ border-color:rgb(255, 153, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2987, 46.3095, 35.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 152) }
```

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

```
.background{ background-color: rgb(255,  
153, 152) }
```

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