

Converting Colors

XYZ(29.4591, 30.5850, 29.5460)

Have a look what the booklet for
XYZ(29.4591, 30.5850, 29.5460)
contains.

XYZ(29.4598, 30.5861, 29.5503)	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(29.4598, 30.5861,
29.5503)**

Conversions

Conversions Part 1

Format	Color
Hex	9D958D
RGB	157, 149, 141
RGB Percent	62%, 58%, 55%
CMY	0.3843, 0.4157, 0.4471
CMYK	0.00, 0.05, 0.10, 0.38
HSL	30°, 8%, 58%
HSV	30°, 10%, 62%
XYZ	29.4598, 30.5861, 29.5503
YIQ	150.4800, 7.3360, -0.7920

Conversions

Conversions Part 2

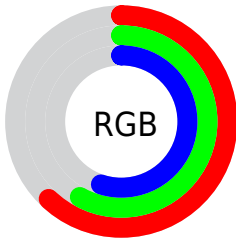
Format	Color
RYB	157, 157, 141
Decimal	10327437
CIELab	62.16, 1.49, 5.26
CIElCh	62, 5.473, 74.152
Yxy	30.5861, 0.3288, 0.3414
Android (android.graphics.Color)	4288517517 (0xFF9D958D)
YUV	150.4800, -4.6736, 5.7180
Hunter-Lab	55.3047, -1.6996, 7.0336

Details

The XYZ color **29.4598, 30.5861, 29.5503** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.8177, 29.5914, 36.1442**, and the grayscale version is **29.2112, 30.7325, 33.4677**.

A 20% lighter version of the original color is **58.3576, 60.6491, 60.2604**, and **12.1999, 12.5549, 11.6779** is the 20% darker color. If you saturate the color by 10%, you get **27.1737, 27.7526, 23.4276**, and if you desaturate by 10%, it is **31.9969, 33.6558, 36.5745**.

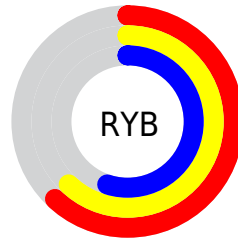
Distribution



Red (62%)

Green (58%)

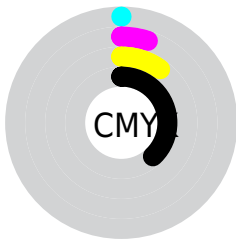
Blue (55%)



Red (62%)

Yellow (62%)

Blue (55%)

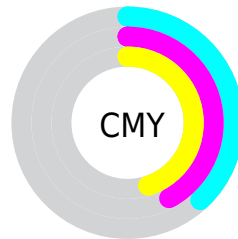


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (38%)



Cyan (38%)

Magenta (42%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4598, 30.5861, 29.5503 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 29.4598, 30.5861, 29.5503 by changing the saturation by 10% instead.

■ 29.4598, 30.5861,
29.5503

■ 29.4598, 30.5861,
29.5503

291.3335,
304.6269, 313.9444

■ 19.5750, 20.2839,
19.2484

■ 58.1993, 60.5878,
60.0028

■ 12.1929, 12.6016,
11.6712

■ 77.7847, 81.0561,
80.9905

■ 6.9483, 7.1548,
6.4004

■ 101.3344,
105.6819, 106.3772

■ 3.4759, 3.5591,
3.0174

129.2136,
134.8496, 136.5814

■ 1.4101, 1.4301,
1.1035

161.7878,
168.9435, 172.0217

■ 0.2634, 0.2388,
0.0000

199.4222,

■ 0.0000, 0.0000,

208.3481, 213.1166

0.0000

242.4824,
253.4478, 260.2847

■ 29.4598, 30.5861,
29.5503

■ 29.4598, 30.5861,
29.5503

■ 27.1737, 27.7526,
23.4276

■ 31.9969, 33.6558,
36.5745

■ 25.1276, 25.1453,
18.1674

■ 34.7905, 36.9636,
44.5331

■ 23.3131, 22.7593,
13.7306

■ 37.8493, 40.5163,
53.4598

■ 21.7204, 20.5877,
10.0746

■ 41.1805, 44.3193,
63.3860

■ 20.3391, 18.6236,
7.1525

■ 44.7914, 48.3778,
74.3416

■ 19.1575, 16.8592,
4.9127

■ 48.6886, 52.6967,
86.3553

■ 18.1628, 15.2864,
3.2966

■ 52.8788, 57.2809,
99.4548

■ 17.3399, 13.8958,
2.2353

■ 55.4433, 61.3652,
103.5302

■ 16.6670, 12.6927,
1.5715

■ 57.4502, 65.3790,
104.1992

Harmonies

Analogous

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



30.0996, 30.5861, 30.5560



29.4598, 30.5861, 29.5503



28.7262, 30.5861, 29.5216

Triad

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



29.4598, 30.5861, 29.5503



27.7189, 30.5861, 34.3050



30.0692, 30.5861, 36.3000

Complementary

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



29.4598, 30.5861, 29.5503



27.8177, 29.5914, 36.1442

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.



29.4189, 30.5861, 37.3944



29.4598, 30.5861, 29.5503



28.0664, 30.5861, 36.2101

Square

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



29.4598, 30.5861, 29.5503



27.7294, 30.5861, 32.2072



28.6860, 30.5861, 37.3608



30.4555, 30.5861, 34.4235

Rectangle

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



29.4598, 30.5861, 29.5503



28.2831, 30.5861, 30.0568



28.6860, 30.5861, 37.3608



29.8738, 30.5861, 36.7750

Sweetspot

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



29.4606, 30.5874, 29.5510



55.9540, 58.6549, 61.7260



28.8547, 28.3882, 32.3928



12.2337, 12.8119, 13.3636



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.4606, 30.5874, 29.5510



51.8892, 53.7092, 50.5561



30.7697, 33.2055, 29.9873



6.8934, 7.1668, 7.0057



13.5736, 10.3829, 1.2887



0.2850, 0.2702, 0.0371

Inverse Universe

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



27.8177, 29.5914, 36.1442



48.4059, 51.5973, 64.5348



26.5956, 27.1472, 35.7368



6.5449, 6.9555, 8.4043



7.2198, 6.5311, 26.7873



0.1714, 0.2014, 0.4931

Previews

White Background



This preview shows how the XYZ color 29.4598, 30.5861, 29.5503 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 29.4598, 30.5861, 29.5503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

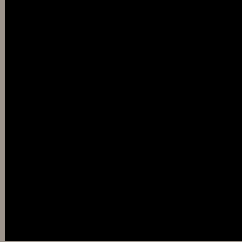
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

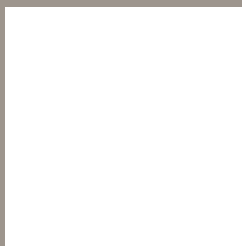
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4598, 30.5861, 29.5503

Background



This preview shows how black text looks on a background with the XYZ color 29.4598, 30.5861, 29.5503.



This preview shows how white text looks on a background with the XYZ color 29.4598, 30.5861,

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

29.4598, 30.5861, 29.5503

Protanopia

29.2316, 30.7043, 29.5852

Deuteranopia

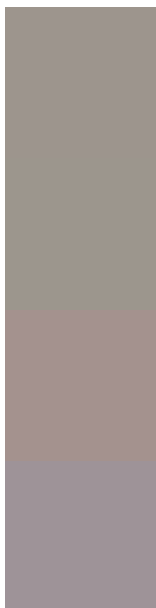
31.1563, 30.5286, 29.8417



Tritanopia

30.7485, 30.3973, 36.5944

Trichromacy



Original Color

29.4598, 30.5861, 29.5503

Protanomaly

29.4244, 30.8037, 29.5942

Deuteranomaly

30.4712, 30.4033, 29.8536

Tritanomaly

30.2018, 30.4035, 33.9824

Monochromacy



Original Color

29.4598, 30.5861, 29.5503

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.3097, 30.6916, 31.9830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4598, 30.5861, 29.5503 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(157, 149, 141)` looks like.

```
.text, #text, p{  
    color:rgb(157, 149, 141)  
}
```

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(157, 149, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 149, 141) }
```

Border

The CSS property to change the border of an element to XYZ 29.4598, 30.5861, 29.5503 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(157, 149, 141) }
```


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

```
.border{ border-color:rgb(157, 149, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 149, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 149, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 149, 141);  
box-shadow:4px 4px 4px 4px rgb(157, 149,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4598, 30.5861, 29.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 149, 141) }
```

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

```
.background{ background-color: rgb(157,  
149, 141) }
```

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