

Converting Colors

XYZ(29.4173, 30.9800, 34.5663)

Have a look what the booklet for
XYZ(29.4173, 30.9800, 34.5663)
contains.

XYZ(29.3941, 30.9172, 34.5554)	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(29.3941, 30.9172,
34.5554)**

Conversions

Conversions Part 1

Format	Color
Hex	969799
RGB	150, 151, 153
RGB Percent	59%, 59%, 60%
CMY	0.4118, 0.4078, 0.4000
CMYK	0.02, 0.01, 0.00, 0.40
HSL	220°, 1%, 59%
HSV	220°, 2%, 60%
XYZ	29.3941, 30.9172, 34.5554
YIQ	150.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

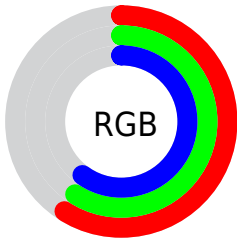
Format	Color
R_{YB}	150, 151, 153
Decimal	9869209
CIE Lab	62.44, 0.03, -1.18
CIE LCh	62, 1.184, 271.527
Yxy	30.9172, 0.3098, 0.3259
Android (android.graphics.Color)	4288059289 (0xFF969799)
YUV	150.9290, 1.0210, -0.8147
Hunter-Lab	55.6032, -2.9434, 2.0757

Details

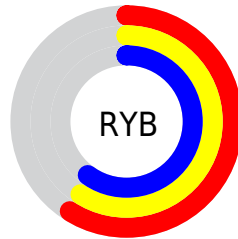
The XYZ color **29.3941, 30.9172, 34.5554** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.8702, 31.4305, 33.3470**, and the grayscale version is **29.3820, 30.9121, 33.6633**.

A 20% lighter version of the original color is **57.9956, 61.0050, 67.7499**, and **12.1010, 12.7263, 14.3890** is the 20% darker color. If you saturate the color by 10%, you get **25.1914, 26.4219, 33.9097**, and if you desaturate by 10%, it is **34.1079, 35.8881, 35.2669**.

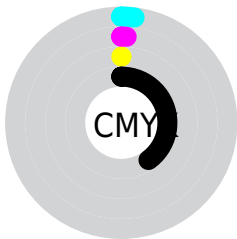
Distribution



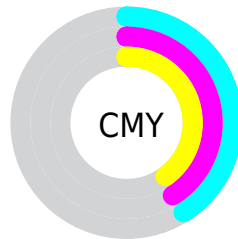
- Red (59%)
- Green (59%)
- Blue (60%)



- Red (59%)
- Yellow (59%)
- Blue (60%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (41%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3941, 30.9172, 34.5554 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 29.3941, 30.9172, 34.5554 by changing the saturation by 10% instead.

■ 29.3941, 30.9172,
34.5554

■ 29.3941, 30.9172,
34.5554

291.0307,
306.1567, 337.4460

■ 19.5249, 20.5358,
23.0398

■ 58.0959, 61.1097,
67.9402

■ 12.1564, 12.7851,
14.4173

■ 77.6592, 81.6896,
90.6464

■ 6.9233, 7.2807,
8.2694

101.1846,
106.4377, 117.9200

■ 3.4601, 3.6383,
4.1776

129.0375,
135.7386, 150.1793

■ 1.4015, 1.4734,
1.7233

161.5832,
169.9765, 187.8431

■ 0.2573, 0.2699,
0.3766

199.1871,

■ 0.0000, 0.0000,

209.5359, 231.3297

0.0000

242.2144,
254.8012, 281.0578

■ 29.3941, 30.9172,
34.5554

■ 29.3941, 30.9172,
34.5554

■ 25.1914, 26.4219,
33.9097

■ 34.1079, 35.8881,
35.2669

■ 21.4794, 22.3837,
33.3259

■ 39.3469, 41.3443,
36.0439

■ 18.2404, 18.7888,
32.8027

■ 45.1281, 47.3004,
36.8889

■ 15.4542, 15.6211,
32.3381

■ 51.4668, 53.7689,
37.8033

■ 13.0994, 12.8636,
31.9300

■ 58.3776, 60.7622,
38.7889

■ 11.1527, 10.4980,
31.5760

■ 65.8747, 68.2919,
39.8472

■ 9.5883, 8.5042,
31.2736

■ 73.1942, 75.9686,
40.9431

■ 8.3774, 6.8603,
31.0201

■ 75.9873, 81.5547,
41.8742

■ 7.4862, 5.5413,
30.8125

■ 78.9467, 87.4735,
42.8606

Harmonies

Analogous

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



29.2389, 30.9172, 34.4470



29.3941, 30.9172, 34.5554



29.5476, 30.9172, 34.4231

Triad

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



29.3941, 30.9172, 34.5554



29.6499, 30.9172, 33.2032



29.1153, 30.9172, 33.2437

Complementary

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



29.3941, 30.9172, 34.5554



29.8702, 31.4305, 33.3470

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.



29.2247, 30.9172, 32.9153



29.3941, 30.9172, 34.5554



29.5333, 30.9172, 32.8921

Square

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



29.3941, 30.9172, 34.5554



29.6956, 30.9172, 33.6400



29.3776, 30.9172, 32.7872



29.0783, 30.9172, 33.6871

Rectangle

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



29.3941, 30.9172, 34.5554



29.6283, 30.9172, 34.2168



29.3776, 30.9172, 32.7872



29.1448, 30.9172, 33.1164

Sweetspot

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



29.3950, 30.9185, 34.5561



53.3971, 56.1716, 61.9999



29.6328, 31.5324, 34.2093



11.8018, 12.4151, 13.6918



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



29.3950, 30.9185, 34.5561



52.5794, 55.3040, 61.8755



29.3173, 30.6400, 34.5064



6.7701, 7.1211, 7.9467



5.7634, 3.9235, 25.3613



0.1173, 0.1209, 0.3895

Inverse Universe

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



29.6298, 30.8200, 33.6670



53.0168, 55.1207, 60.2198



29.9488, 31.7136, 33.3975



6.8210, 7.0998, 7.7542



11.3679, 5.8014, 3.1963



0.1857, 0.0930, 0.1305

Previews

White Background



This preview shows how the XYZ color 29.3941, 30.9172, 34.5554 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 29.3941, 30.9172, 34.5554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

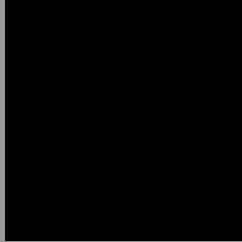
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

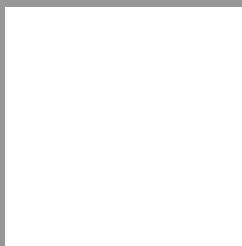
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3941, 30.9172, 34.5554

Background



This preview shows how black text looks on a background with the XYZ color 29.3941, 30.9172, 34.5554.



This preview shows how white text looks on a background with the XYZ color 29.3941, 30.9172,

34.5554.

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

29.3941, 30.9172, 34.5554

Protanopia

29.7107, 30.8520, 34.0949

Deuteranopia

31.4215, 30.7834, 34.8575



Tritanopia

30.1904, 31.0006, 38.5749

Trichromacy



Original Color

29.3941, 30.9172, 34.5554

Protanomaly

29.5227, 30.7551, 34.0861

Deuteranomaly

30.7207, 30.8838, 34.9139

Tritanomaly

29.9269, 30.8952, 37.1869

Monochromacy



Original Color

29.3941, 30.9172, 34.5554

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4966, 30.9795, 34.1308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3941, 30.9172, 34.5554 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(150, 151, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 151, 153)  
}
```

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(150, 151, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 151, 153) }
```

Border

The CSS property to change the border of an element to XYZ 29.3941, 30.9172, 34.5554 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(150, 151, 153) }
```


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

```
.border{ border-color:rgb(150, 151, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 151, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 151, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 151, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 151,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3941, 30.9172, 34.5554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 151, 153) }
```

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

```
.background{ background-color: rgb(150,  
151, 153) }
```

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