

Converting Colors

XYZ(28.0863, 34.2110, 9.5881)

Have a look what the booklet for
XYZ(28.0863, 34.2110, 9.5881)
contains.

XYZ(28.0224, 34.0559, 9.5114)	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(28.0224, 34.0559,
9.5114)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA43D
RGB	157, 164, 61
RGB Percent	62%, 64%, 24%
CMY	0.3843, 0.3568, 0.7608
CMYK	0.04, 0.00, 0.63, 0.36
HSL	64°, 46%, 44%
HSV	64°, 63%, 64%
XYZ	28.0224, 34.0559, 9.5114
YIQ	150.1650, 28.8910, -33.5170

Conversions

Conversions Part 2

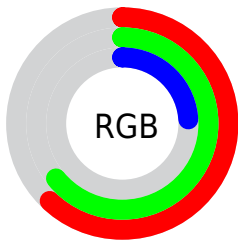
Format	Color
RYB	61, 164, 68
Decimal	10331197
CIELab	65.01, -16.39, 50.93
CIElCh	65, 53.497, 107.837
Yxy	34.0559, 0.3914, 0.4757
Android (android.graphics.Color)	4288521277 (0xFF9DA43D)
YUV	150.1650, -43.9583, 5.9943
Hunter-Lab	58.3574, -16.4124, 31.1868

Details

The XYZ color **28.0224, 34.0559, 9.5114** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.7546, 7.2475, 35.9560**, and the grayscale version is **29.2326, 30.7550, 33.4922**.

A 20% lighter version of the original color is **56.0437, 66.1514, 25.4375**, and **11.3877, 14.4719, 2.1932** is the 20% darker color. If you saturate the color by 10%, you get **27.4302, 33.7952, 7.5201**, and if you desaturate by 10%, it is **28.7533, 34.3747, 12.2157**.

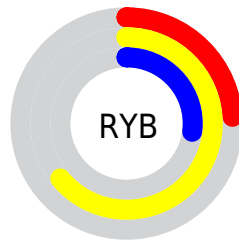
Distribution



Red (62%)

Green (64%)

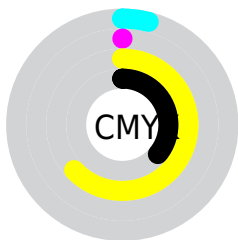
Blue (24%)



Red (24%)

Yellow (64%)

Blue (27%)

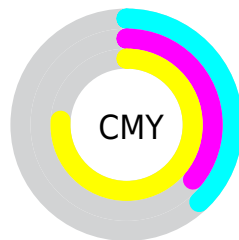


Cyan (4%)

Magenta (0%)

Yellow (63%)

Black (36%)



Cyan (38%)

Magenta (36%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0224, 34.0559, 9.5114 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 28.0224, 34.0559, 9.5114 by changing the saturation by 10% instead.

■ 28.0224, 34.0559,
9.5114

■ 28.0224, 34.0559,
9.5114

284.6521,
320.3812, 197.5048

■ 18.4831, 22.9365,
4.9749

■ 55.9286, 66.0206,
25.4656

■ 11.3992, 14.5467,
2.1740

■ 75.0262, 87.6347,
37.7204

■ 6.4052, 8.5018,
0.6593

■ 98.0406, 113.5159,
53.3851

■ 3.1360, 4.4177,
0.0000

■ 125.3371,
144.0485, 72.8781

■ 1.2261, 1.9099,
0.0000

■ 157.2812,
179.6169, 96.6180

■ 0.1268, 0.5543,
0.0000

194.2382,

■ 0.0000, 0.0000,

220.6056, 125.0234

0.0000

236.5733,
267.3989, 158.5128

■ 28.0224, 34.0559,
9.5114

■ 28.0224, 34.0559,
9.5114

■ 27.4302, 33.7952,
7.5201

■ 28.7533, 34.3747,
12.2157

■ 26.9616, 33.5830,
6.1725

■ 29.6316, 34.7516,
15.6896

■ 26.6020, 33.4146,
5.3891

■ 30.6682, 35.1919,
19.9866

■ 26.3851, 33.3103,
5.0389

■ 31.8723, 35.6995,
25.1548

■ 33.2522, 36.2776,
31.2384

■ 34.8157, 36.9295,
38.2789

■ 36.5704, 37.6580,
46.3151

■ 38.5231, 38.4659,
55.3836

■ 40.6805, 39.3560,
65.5192

Harmonies

Analogous

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



35.6063, 34.0559, 9.0775



28.0224, 34.0559, 9.5114



22.5459, 34.0559, 15.2028

Triad

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



28.0224, 34.0559, 9.5114



23.3740, 34.0559, 78.4810



49.2004, 34.0559, 46.8031

Complementary

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



28.0224, 34.0559, 9.5114



10.7546, 7.2475, 35.9560

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.



44.6972, 34.0559, 73.6671



28.0224, 34.0559, 9.5114



29.3344, 34.0559, 96.2778

Square

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



28.0224, 34.0559, 9.5114



20.1713, 34.0559, 51.7238



37.1436, 34.0559, 94.2305



48.6983, 34.0559, 25.5009

Rectangle

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



28.0224, 34.0559, 9.5114



20.4529, 34.0559, 23.2173



37.1436, 34.0559, 94.2305



48.1956, 34.0559, 55.5904

Sweetspot

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



28.0232, 34.0575, 9.5121



58.6768, 65.1439, 49.2718



18.2124, 12.3485, 5.8389



12.6847, 14.1816, 10.1449



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.0232, 34.0575, 9.5121



49.4562, 61.1918, 12.6394



20.0194, 29.9314, 9.1375



7.6017, 8.2127, 7.5646



20.2457, 25.5475, 3.8641



0.4386, 0.5436, 0.0818

Inverse Universe

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



10.7546, 7.2475, 35.9560



15.6068, 8.5679, 64.5835



16.0288, 9.9665, 36.2029



6.7430, 6.8819, 8.8760



5.2616, 2.1189, 27.0615



0.1232, 0.0510, 0.5692

Previews

White Background



This preview shows how the XYZ color 28.0224, 34.0559, 9.5114 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 28.0224, 34.0559, 9.5114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

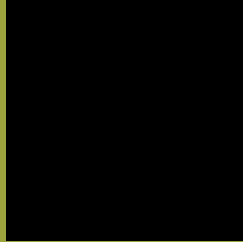
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.0224, 34.0559, 9.5114

Background



This preview shows how black text looks on a background with the XYZ color 28.0224, 34.0559, 9.5114.



This preview shows how white text looks on a background with the XYZ color 28.0224, 34.0559,

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

28.0224, 34.0559, 9.5114

Protanopia

30.9208, 33.9996, 9.0706

Deuteranopia

34.6254, 33.9301, 9.7252



Tritanopia

34.3749, 34.0799, 40.8427

Trichromacy



Original Color

28.0224, 34.0559, 9.5114

Protanomaly

29.7486, 33.9029, 9.2510

Deuteranomaly

31.9382, 33.7579, 9.6831

Tritanomaly

31.2274, 33.7988, 25.3000

Monochromacy



Original Color

28.0224, 34.0559, 9.5114

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.1282, 31.5230, 21.7416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0224, 34.0559, 9.5114 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, 164, 61)` looks like.

```
.text, #text, p{  
    color:rgb(157, 164, 61)  
}
```

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, 164, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 164, 61) }
```

Border

The CSS property to change the border of an element to XYZ 28.0224, 34.0559, 9.5114 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, 164, 61) }
```


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

```
.border{ border-color:rgb(157, 164, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 164, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 164, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 164, 61);  
box-shadow:4px 4px 4px 4px rgb(157, 164,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0224, 34.0559, 9.5114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 164, 61) }
```

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

```
.background{ background-color: rgb(157,  
164, 61) }
```

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