

Converting Colors

XYZ(29.8152, 30.4035, 35.8071)

Have a look what the booklet for
XYZ(29.8152, 30.4035, 35.8071)
contains.

XYZ(29.7275, 30.3524, 35.7443)	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(29.7275, 30.3524,
35.7443)**

Conversions

Conversions Part 1

Format	Color
Hex	99949C
RGB	153, 148, 156
RGB Percent	60%, 58%, 61%
CMY	0.4000, 0.4196, 0.3882
CMYK	0.02, 0.05, 0.00, 0.39
HSL	277°, 4%, 60%
HSV	277°, 5%, 61%
XYZ	29.7275, 30.3524, 35.7443
YIQ	150.4070, 0.4120, 3.5480

Conversions

Conversions Part 2

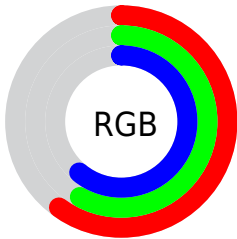
Format	Color
RYB	153, 148, 156
Decimal	10065052
CIELab	61.96, 3.38, -3.56
CIELCh	62, 4.906, 313.490
Yxy	30.3524, 0.3102, 0.3168
Android (android.graphics.Color)	4288255132 (0xFF99949C)
YUV	150.4070, 2.7573, 2.2741
Hunter-Lab	55.0930, -0.0964, 0.0978

Details

The XYZ color **29.7275, 30.3524, 35.7443** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9974, 32.4952, 32.7097**, and the grayscale version is **29.1516, 30.6697, 33.3993**.

A 20% lighter version of the original color is **58.4855, 60.1596, 69.5022**, and **12.3040, 12.3941, 15.1084** is the 20% darker color. If you saturate the color by 10%, you get **26.3663, 25.2293, 34.9331**, and if you desaturate by 10%, it is **33.4745, 36.1656, 36.6693**.

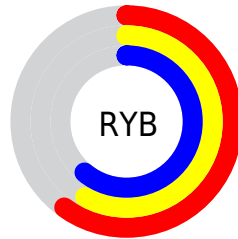
Distribution



Red (60%)

Green (58%)

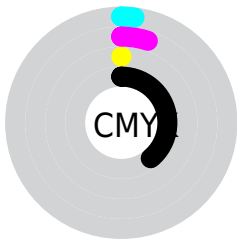
Blue (61%)



Red (60%)

Yellow (58%)

Blue (61%)

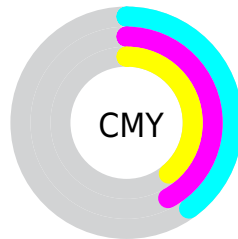


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (39%)



Cyan (40%)

Magenta (42%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7275, 30.3524, 35.7443 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 29.7275, 30.3524, 35.7443 by changing the saturation by 10% instead.

■ 29.7275, 30.3524,
35.7443

■ 29.7275, 30.3524,
35.7443

292.5649,
303.5436, 342.8451

■ 19.7789, 20.1062,
23.9487

■ 58.6206, 60.2190,
69.8018

■ 12.3417, 12.4723,
15.0837

■ 78.2957, 80.6083,
92.9008

■ 7.0507, 7.0662,
8.7309

101.9438,
105.1473, 120.6045

■ 3.5405, 3.5035,
4.4716

129.9301,
134.2206, 153.3317

■ 1.4456, 1.3999,
1.8875

162.6200,
168.2125, 191.5008

■ 0.2884, 0.2167,
0.4848

200.3788,

■ 0.0000, 0.0000,

207.5073, 235.5304

0.0000

243.5720,
252.4896, 285.8390

■ 29.7275, 30.3524,
35.7443

■ 29.7275, 30.3524,
35.7443

■ 26.3663, 25.2293,
34.9331

■ 33.4745, 36.1656,
36.6693

■ 23.3743, 20.7659,
34.2292

■ 37.6177, 42.6901,
37.7103

■ 20.7376, 16.9351,
33.6288

■ 42.1704, 49.9511,
38.8719

■ 18.4405, 13.7064,
33.1266

■ 47.1446, 57.9713,
40.1578

■ 16.4659, 11.0468,
32.7174

■ 52.5516, 66.7723,
41.5716

■ 14.7949, 8.9201,
32.3949

■ 58.4025, 76.3752,
43.1167

■ 13.4066, 7.2856,
32.1526

■ 64.0003, 85.3852,
44.5608

■ 12.2770, 6.0967,
31.9827

■ 65.5318, 86.1747,
44.6325

■ 11.3756, 5.2936,
31.8752

■ 67.1230, 86.9950,
44.7069

Harmonies

Analogous

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



29.1448, 30.3524, 36.6941



29.7275, 30.3524, 35.7443



30.0776, 30.3524, 34.0877

Triad

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



29.7275, 30.3524, 35.7443



29.2096, 30.3524, 29.6988



27.6376, 30.3524, 33.9001

Complementary

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



29.7275, 30.3524, 35.7443



29.9974, 32.4952, 32.7097

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.



27.6544, 30.3524, 32.0308



29.7275, 30.3524, 35.7443



28.5553, 30.3524, 29.6529

Square

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



29.7275, 30.3524, 35.7443



29.7756, 30.3524, 30.6199



27.9881, 30.3524, 30.4920



27.9420, 30.3524, 35.6024

Rectangle

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



29.7275, 30.3524, 35.7443



30.1288, 30.3524, 32.8288



27.9881, 30.3524, 30.4920



27.6060, 30.3524, 33.2694

Sweetspot

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



29.7284, 30.3537, 35.7450



56.0192, 58.2533, 65.4182



29.2920, 30.8521, 35.8642



12.3448, 12.8463, 14.3993



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.



29.7284, 30.3537, 35.7450



53.3578, 54.1516, 64.7668



30.2231, 30.6178, 35.3572



6.8882, 6.9752, 8.3900



9.0848, 4.1124, 26.2222



0.2081, 0.0970, 0.4710

Inverse Universe

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



29.8872, 30.4835, 33.5884



53.7027, 54.4329, 60.1108



29.5218, 32.2414, 33.0745



6.9356, 7.0138, 7.7517



11.9489, 6.0841, 3.9818



0.2334, 0.1167, 0.1750

Previews

White Background



This preview shows how the XYZ color 29.7275, 30.3524, 35.7443 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 29.7275, 30.3524, 35.7443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

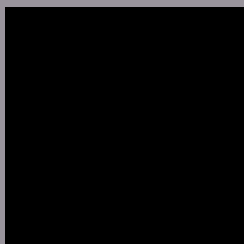
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

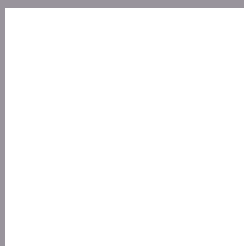
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7275, 30.3524, 35.7443

Background



This preview shows how black text looks on a background with the XYZ color 29.7275, 30.3524, 35.7443.



This preview shows how white text looks on a background with the XYZ color 29.7275, 30.3524,

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

29.7275, 30.3524, 35.7443

Protanopia

29.3259, 30.3792, 35.7706

Deuteranopia

30.9091, 30.2622, 36.1104



Tritanopia

29.9848, 30.4553, 37.0990

Trichromacy



Original Color

29.7275, 30.3524, 35.7443

Protanomaly

29.5107, 30.4745, 35.7793

Deuteranomaly

30.4652, 30.2612, 36.1336

Tritanomaly

29.8983, 30.4207, 36.6437

Monochromacy



Original Color

29.7275, 30.3524, 35.7443

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1774, 30.3412, 34.0244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7275, 30.3524, 35.7443 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(153, 148, 156)` looks like.

```
.text, #text, p{  
    color:rgb(153, 148, 156)  
}
```

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(153, 148, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 148, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.7275, 30.3524, 35.7443 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(153, 148, 156) }
```


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

```
.border{ border-color:rgb(153, 148, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 148, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 148, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 148, 156);  
box-shadow:4px 4px 4px 4px rgb(153, 148,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7275, 30.3524, 35.7443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 148, 156) }
```

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

```
.background{ background-color: rgb(153,  
148, 156) }
```

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](#).

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