

Converting Colors

XYZ(29.5953, 31.7718, 30.0308)

Have a look what the booklet for
XYZ(29.5953, 31.7718, 30.0308)
contains.

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Color

**XYZ(29.7645, 31.9342,
30.1863)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9A8E
RGB	154, 154, 142
RGB Percent	60%, 60%, 56%
CMY	0.3961, 0.3961, 0.4431
CMYK	0.00, 0.00, 0.08, 0.40
HSL	60°, 6%, 58%
HSV	60°, 8%, 60%
XYZ	29.7645, 31.9342, 30.1863
YIQ	152.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

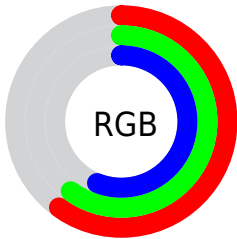
Format	Color
RYB	142, 154, 142
Decimal	10132110
CIELab	63.29, -2.22, 6.29
CIElCh	63, 6.674, 109.441
Yxy	31.9342, 0.3239, 0.3475
Android (android.graphics.Color)	4288322190 (0xFF9A9A8E)
YUV	152.6320, -5.2416, 1.1997
Hunter-Lab	56.5104, -4.8756, 7.8861

Details

The XYZ color **29.7645, 31.9342, 30.1863** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.6622, 27.4307, 34.4629**, and the grayscale version is **30.1400, 31.7096, 34.5317**.

A 20% lighter version of the original color is **58.5321, 62.5072, 61.2047**, and **12.3755, 13.3568, 12.0511** is the 20% darker color. If you saturate the color by 10%, you get **28.6869, 31.5041, 24.5114**, and if you desaturate by 10%, it is **31.0037, 32.4310, 36.7040**.

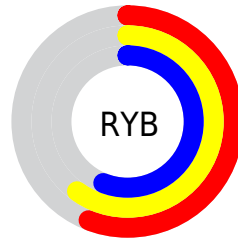
Distribution



Red (60%)

Green (60%)

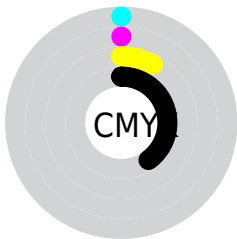
Blue (56%)



Red (56%)

Yellow (60%)

Blue (56%)

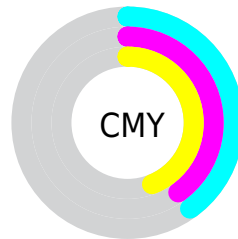


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7645, 31.9342, 30.1863 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 29.7645, 31.9342, 30.1863 by changing the saturation by 10% instead.

■ 29.7645, 31.9342,
30.1863

■ 29.7645, 31.9342,
30.1863

292.7348,
310.8194, 317.0062

■ 19.8071, 21.3112,
19.7268

■ 58.6787, 62.7079,
61.0212

■ 12.3623, 13.3517,
12.0145

■ 78.3663, 83.6275,
82.2336

■ 7.0649, 7.6712,
6.6309

■ 102.0279,
108.7480, 107.8674

■ 3.5494, 3.8853,
3.1574

130.0290,
138.4540, 138.3411

■ 1.4505, 1.6096,
1.1756

162.7348,
173.1297, 174.0733

■ 0.2918, 0.3641,
0.0000

200.5108,

■ 0.0000, 0.0000,

213.1595, 215.4826

0.0000

243.7224,
258.9280, 262.9873

■ 29.7645, 31.9342,
30.1863

■ 29.7645, 31.9342,
30.1863

■ 28.6869, 31.5041,
24.5114

■ 31.0037, 32.4310,
36.7040

■ 27.7616, 31.1339,
19.6431

■ 32.4079, 32.9928,
44.0949

■ 26.9827, 30.8223,
15.5452

■ 33.9839, 33.6233,
52.3901

■ 26.3427, 30.5662,
12.1785

■ 35.7372, 34.3247,
61.6189

■ 25.8333, 30.3623,
9.4999

■ 37.6730, 35.0991,
71.8091

■ 25.4455, 30.2071,
7.4619

■ 39.7965, 35.9486,
82.9873

■ 25.1693, 30.0966,
6.0111

■ 42.1125, 36.8750,
95.1792

■ 24.9928, 30.0259,
5.0854

■ 42.9387, 37.2056,
99.5260

■ 24.8948, 29.9866,
4.5735

■ 42.9394, 37.2060,
99.5261

Harmonies

Analogous

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



30.6795, 31.9342, 30.0009



29.7645, 31.9342, 30.1863



29.0215, 31.9342, 31.5635

Triad

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



29.7645, 31.9342, 30.1863



29.2109, 31.9342, 38.7852



32.1344, 31.9342, 35.7125

Complementary

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



29.7645, 31.9342, 30.1863



26.6622, 27.4307, 34.4629

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.



31.7236, 31.9342, 38.1886



29.7645, 31.9342, 30.1863



30.0278, 31.9342, 40.0214

Square

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



29.7645, 31.9342, 30.1863



28.7064, 31.9342, 36.4936



30.9482, 31.9342, 39.7977



32.0604, 31.9342, 33.1033

Rectangle

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



29.7645, 31.9342, 30.1863



28.7178, 31.9342, 33.0130



30.9482, 31.9342, 39.7977



32.0481, 31.9342, 36.5902

Sweetspot

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



29.7654, 31.9356, 30.1870



55.3264, 58.5138, 61.4549



27.8829, 28.1697, 29.5593



12.5291, 13.2468, 13.9430



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.



29.7654, 31.9356, 30.1870



53.7796, 57.8950, 53.3147



28.6520, 31.3616, 30.1349



6.7088, 7.2228, 6.6464



20.2661, 24.4235, 3.6461



0.3030, 0.3652, 0.0545

Inverse Universe

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



26.6622, 27.4307, 34.4629



47.2007, 48.3442, 62.3799



27.7194, 27.9757, 34.5124



5.8846, 6.0264, 7.7820



4.7525, 1.9011, 25.0242



0.0711, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 29.7645, 31.9342, 30.1863 looks on a white background.

Color Contrast Check

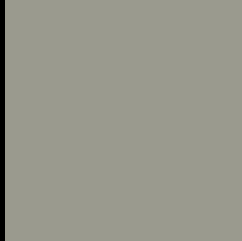
Large Text (above 18pt) WCAG AA × Fail

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 29.7645, 31.9342, 30.1863 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 29.7645, 31.9342, 30.1863

Background



This preview shows how black text looks on a background with the XYZ color 29.7645, 31.9342, 30.1863.



This preview shows how white text looks on a background with the XYZ color 29.7645, 31.9342,

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

29.7645, 31.9342, 30.1863

Protanopia

30.4970, 32.0765, 29.7833

Deuteranopia

32.5611, 31.9336, 30.4343



Tritanopia

31.5821, 31.9457, 39.1519

Trichromacy



Original Color

29.7645, 31.9342, 30.1863

Protanomaly

30.1036, 31.8737, 29.7649

Deuteranomaly

31.3813, 31.7952, 30.4697

Tritanomaly

30.8549, 31.8910, 35.5397

Monochromacy



Original Color

29.7645, 31.9342, 30.1863

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9529, 31.7247, 32.9786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7645, 31.9342, 30.1863 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(154, 154, 142)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 142)  
}
```

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(154, 154, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.7645, 31.9342, 30.1863 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(154, 154, 142) }
```


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

```
.border{ border-color:rgb(154, 154, 142) }
```

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

Here you see how a box with a 4 pixel rgb(154, 154, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 142);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7645, 31.9342, 30.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 142) }
```

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

```
.background{ background-color: rgb(154,  
154, 142) }
```

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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