

Converting Colors

XYZ(31.8268, 36.0073, 24.5341)

Have a look what the booklet for
XYZ(31.8268, 36.0073, 24.5341)
contains.

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Color

**XYZ(31.8547, 35.9680,
24.6656)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A57D
RGB	161, 165, 125
RGB Percent	63%, 65%, 49%
CMY	0.3686, 0.3529, 0.5098
CMYK	0.02, 0.00, 0.24, 0.35
HSL	66°, 18%, 57%
HSV	66°, 24%, 65%
XYZ	31.8547, 35.9680, 24.6656
YIQ	159.2440, 10.4560, -13.2880

Conversions

Conversions Part 2

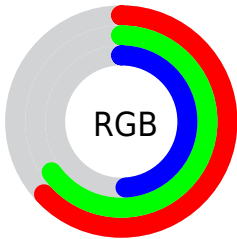
Format	Color
RYB	125, 165, 129
Decimal	10593661
CIELab	66.50, -8.28, 20.31
CIELCh	66, 21.935, 112.166
Yxy	35.9680, 0.3444, 0.3889
Android (android.graphics.Color)	4288783741 (0xFFA1A57D)
YUV	159.2440, -16.8823, 1.5400
Hunter-Lab	59.9733, -10.1434, 17.5968

Details

The XYZ color **31.8547, 35.9680, 24.6656** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.1798, 22.0519, 38.6341**, and the grayscale version is **33.1386, 34.8644, 37.9673**.

A 20% lighter version of the original color is **61.9480, 68.9997, 52.1727**, and **13.5163, 15.5833, 9.1330** is the 20% darker color. If you saturate the color by 10%, you get **30.5567, 35.4118, 19.5522**, and if you desaturate by 10%, it is **33.3341, 36.5997, 30.7031**.

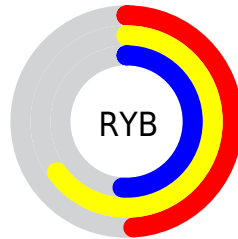
Distribution



Red (63%)

Green (65%)

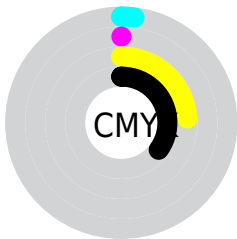
Blue (49%)



Red (49%)

Yellow (65%)

Blue (51%)

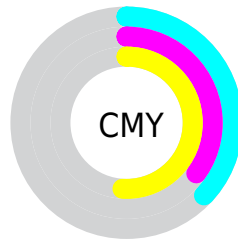


Cyan (2%)

Magenta (0%)

Yellow (24%)

Black (35%)



Cyan (37%)

Magenta (35%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8547, 35.9680, 24.6656 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 31.8547, 35.9680, 24.6656 by changing the saturation by 10% instead.

■ 31.8547, 35.9680,
24.6656

■ 31.8547, 35.9680,
24.6656

302.2139,
328.8207, 289.5627

■ 21.4055, 24.4095,
15.6113

■ 61.9500, 68.9827,
52.0716

■ 13.5349, 15.6377,
9.0982

■ 82.3268, 91.2076,
71.2604

■ 7.8774, 9.2681,
4.7076

■ 106.7436,
117.7568, 94.6645

■ 4.0678, 4.9165,
2.0210

135.5656,
149.0147, 122.7023

■ 1.7405, 2.1983,
0.5682

169.1583,
185.3656, 155.7925

■ 0.4814, 0.7191,
0.0000

207.8870,

■ 0.0000, 0.0000,

227.1940, 194.3536

0.0000

252.1171,
274.8842, 238.8042

■ 31.8547, 35.9680,
24.6656

■ 31.8547, 35.9680,
24.6656

■ 30.5567, 35.4118,
19.5522

■ 33.3341, 36.5997,
30.7031

■ 29.4287, 34.9229,
15.3151

■ 35.0002, 37.3054,
37.7047

■ 28.4621, 34.4991,
11.9056

■ 36.8615, 38.0896,
45.7110

■ 27.6468, 34.1363,
9.2695

■ 38.9251, 38.9553,
54.7596

■ 26.9710, 33.8298,
7.3459

■ 41.1977, 39.9051,
64.8859

■ 26.4216, 33.5743,
6.0651

■ 43.6860, 40.9417,
76.1239

■ 25.9825, 33.3635,
5.3431

■ 46.3959, 42.0675,
88.5060

■ 25.7571, 33.2533,
5.0610

■ 49.0090, 43.1550,
100.3544

■ 49.3799, 43.3462,
100.3718

Harmonies

Analogous

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



35.0562, 35.9680, 23.8159



31.8547, 35.9680, 24.6656



29.4293, 35.9680, 29.0674

Triad

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



31.8547, 35.9680, 24.6656



30.4509, 35.9680, 55.2868



40.8449, 35.9680, 41.6851

Complementary

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



31.8547, 35.9680, 24.6656



23.1798, 22.0519, 38.6341

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.



39.4306, 35.9680, 51.3613



31.8547, 35.9680, 24.6656



33.3314, 35.9680, 59.9948

Square

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



31.8547, 35.9680, 24.6656



28.6558, 35.9680, 46.4045



36.6294, 35.9680, 58.4535



40.3866, 35.9680, 32.7171

Rectangle

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



31.8547, 35.9680, 24.6656



28.5107, 35.9680, 33.8718



36.6294, 35.9680, 58.4535



40.5697, 35.9680, 44.9785

Sweetspot

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



31.8556, 35.9696, 24.6664



61.7833, 66.4287, 63.7240



27.0702, 25.1815, 22.8363



13.4706, 14.5072, 13.7776



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.



31.8556, 35.9696, 24.6664



55.7788, 63.8714, 39.1295



28.1426, 34.0555, 24.4926



7.5792, 8.2011, 7.5636



19.5082, 25.1673, 3.8296



0.4287, 0.5385, 0.0813

Inverse Universe

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



23.1798, 22.0519, 38.6341



37.5643, 34.6479, 68.4602



26.5207, 23.7742, 38.7904



6.7632, 6.8923, 8.8770



5.3276, 2.1530, 27.0645



0.1303, 0.0547, 0.5695

Previews

White Background



This preview shows how the XYZ color 31.8547, 35.9680, 24.6656 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 31.8547, 35.9680, 24.6656 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

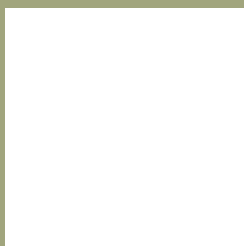
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8547, 35.9680, 24.6656

Background



This preview shows how black text looks on a background with the XYZ color 31.8547, 35.9680, 24.6656.



This preview shows how white text looks on a background with the XYZ color 31.8547, 35.9680,

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

31.8547, 35.9680, 24.6656

Protanopia

33.5536, 35.8040, 23.8813

Deuteranopia

36.5384, 35.7938, 25.0618



Tritanopia

35.6852, 35.9520, 43.5867

Trichromacy



Original Color

31.8547, 35.9680, 24.6656

Protanomaly

32.9206, 35.7309, 24.2304

Deuteranomaly

34.7544, 35.8863, 24.8337

Tritanomaly

34.0947, 35.8222, 35.6892

Monochromacy



Original Color

31.8547, 35.9680, 24.6656

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.5085, 35.0699, 32.6595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8547, 35.9680, 24.6656 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(161, 165, 125)` looks like.

```
.text, #text, p{  
    color:rgb(161, 165, 125)  
}
```

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(161, 165, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 165, 125) }
```

Border

The CSS property to change the border of an element to XYZ 31.8547, 35.9680, 24.6656 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(161, 165, 125) }
```


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

```
.border{ border-color:rgb(161, 165, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 165, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 165, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 165, 125);  
box-shadow:4px 4px 4px 4px rgb(161, 165,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8547, 35.9680, 24.6656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 165, 125) }
```

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

```
.background{ background-color: rgb(161,  
165, 125) }
```

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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