

Converting Colors

XYZ(31.6294, 37.4175, 42.4680)

Have a look what the booklet for
XYZ(31.6294, 37.4175, 42.4680)
contains.

XYZ(31.6519, 37.4005, 42.5966)	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(31.6519, 37.4005,
42.5966)**

Conversions

Conversions Part 1

Format	Color
Hex	86ACA8
RGB	134, 172, 168
RGB Percent	53%, 67%, 66%
CMY	0.4745, 0.3255, 0.3412
CMYK	0.22, 0.00, 0.02, 0.33
HSL	174°, 19%, 60%
HSV	174°, 22%, 67%
XYZ	31.6519, 37.4005, 42.5966
YIQ	160.1820, -21.3640, -9.3000

Conversions

Conversions Part 2

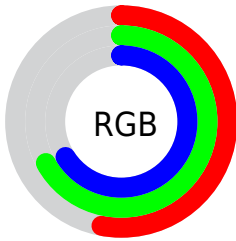
Format	Color
RYB	134, 154, 172
Decimal	8826024
CIELab	67.58, -13.67, -2.18
CIELCh	68, 13.846, 189.047
Yxy	37.4005, 0.2835, 0.3350
Android (android.graphics.Color)	4287016104 (0xFF86ACA8)
YUV	160.1820, 3.8543, -22.9616
Hunter-Lab	61.1559, -14.6384, 1.5122

Details

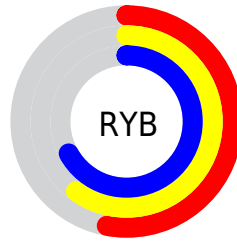
The XYZ color **31.6519, 37.4005, 42.5966** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1271, 27.6568, 27.7967**, and the grayscale version is **33.4882, 35.2322, 38.3679**.

A 20% lighter version of the original color is **61.5274, 70.9572, 80.2653**, and **13.4361, 16.5329, 19.0060** is the 20% darker color. If you saturate the color by 10%, you get **28.9630, 36.0347, 41.5966**, and if you desaturate by 10%, it is **34.7912, 39.0002, 43.6315**.

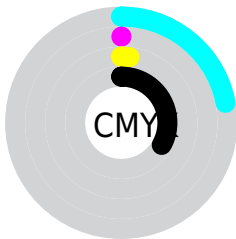
Distribution



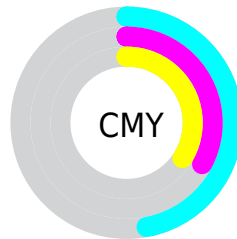
- Red (53%)
- Green (67%)
- Blue (66%)



- Red (53%)
- Yellow (60%)
- Blue (67%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (33%)





- Cyan (47%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6519, 37.4005, 42.5966 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 31.6519, 37.4005, 42.5966 by changing the saturation by 10% instead.


 31.6519, 37.4005,
42.5966


 31.6519, 37.4005,
42.5966


301.3040,
335.0412, 372.8225


 21.2500, 25.5177,
29.2397


 61.6339, 71.1883,
80.3816

 13.4204, 16.4632,
19.0151


 81.9446, 93.8622,
105.6467

 7.7976, 9.8525,
11.5042


 106.2891,
120.9018, 135.7183

 4.0164, 5.3013,
6.2887

135.0326,
152.6917, 171.0149

 1.7114, 2.4251,
2.9498

168.5405,
189.6162, 211.9551

 0.4634, 0.8388,
1.0690

207.1781,

 0.0000, 0.0000,

232.0597, 258.9574

0.0000

251.3108,
280.4066, 312.4404

■ 31.6519, 37.4005,
42.5966

■ 31.6519, 37.4005,
42.5966

■ 28.9630, 36.0347,
41.5966

■ 34.7912, 39.0002,
43.6315

■ 26.6998, 34.8870,
40.6280

■ 38.3978, 40.8396,
44.6998

■ 24.8399, 33.9471,
39.6905

■ 42.4916, 42.9298,
45.8033

■ 23.3579, 33.2016,
38.7827

■ 47.0904, 45.2801,
46.9428

■ 22.2253, 32.6360,
37.9034

■ 52.2111, 47.8992,
48.1192

■ 21.4094, 32.2334,
37.0509

■ 57.8699, 50.7954,
49.3333

■ 20.8715, 31.9739,
36.2235

■ 64.0821, 53.9767,
50.5859

■ 20.5767, 31.8357,
35.5838

■ 64.4877, 54.1642,
51.5794

■ 64.6769, 54.2398,
52.5754

Harmonies

Analogous

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



31.8560, 37.4005, 36.6675



31.6519, 37.4005, 42.5966



32.4588, 37.4005, 48.5743

Triad

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



31.6519, 37.4005, 42.5966



38.1932, 37.4005, 50.5368



37.0341, 37.4005, 30.7146

Complementary

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



31.6519, 37.4005, 42.5966



30.1271, 27.6568, 27.7967

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.



38.8273, 37.4005, 33.7665



31.6519, 37.4005, 42.5966



39.5149, 37.4005, 45.0666

Square

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



31.6519, 37.4005, 42.5966



36.1965, 37.4005, 53.4504



39.7515, 37.4005, 38.9047



34.9074, 37.4005, 30.1953

Rectangle

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



31.6519, 37.4005, 42.5966



33.4813, 37.4005, 51.6421



39.7515, 37.4005, 38.9047



37.6982, 37.4005, 31.4625

Sweetspot

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



31.6530, 37.4020, 42.5974



66.2557, 72.3510, 80.1055



29.6098, 36.6681, 28.0719



14.3188, 15.6827, 17.3849



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.6530, 37.4020, 42.5974



54.6918, 66.4621, 76.2887



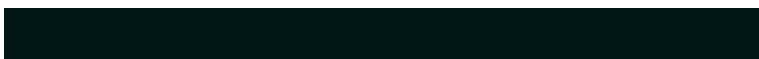
29.4094, 32.3090, 43.7177



8.1994, 9.0573, 10.0752



15.3237, 23.6948, 26.5422



0.4365, 0.6632, 0.7920

Inverse Universe

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



30.1271, 27.6568, 27.7967



51.3804, 45.3045, 44.1625



31.9966, 31.8511, 27.0164



8.0383, 8.0286, 8.5123



12.7530, 6.5638, 1.0789



0.3654, 0.1869, 0.0862

Previews

White Background



This preview shows how the XYZ color 31.6519, 37.4005, 42.5966 looks on a white background.

Color Contrast Check

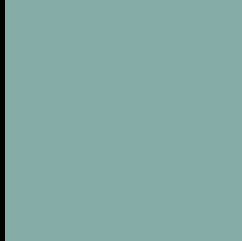
Large Text (above 18pt) WCAG AA × Fail

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 31.6519, 37.4005, 42.5966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

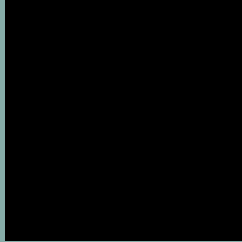
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6519, 37.4005, 42.5966

Background



This preview shows how black text looks on a background with the XYZ color 31.6519, 37.4005, 42.5966.

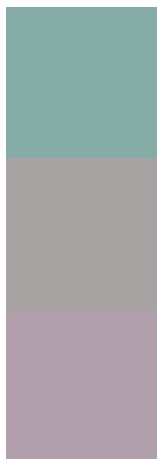


This preview shows how white text looks on a background with the XYZ color 31.6519, 37.4005,

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

31.6519, 37.4005, 42.5966

Protanopia

35.6444, 37.0542, 39.9238

Deuteranopia

37.8803, 37.0837, 43.6894



Tritanopia

33.2385, 37.4867, 50.2835

Trichromacy



Original Color

31.6519, 37.4005, 42.5966

Protanomaly

33.9453, 36.9576, 40.9417

Deuteranomaly

35.2291, 37.0303, 43.3210

Tritanomaly

32.7521, 37.5744, 47.6458

Monochromacy



Original Color

31.6519, 37.4005, 42.5966

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6488, 35.7746, 39.8347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6519, 37.4005, 42.5966 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(134, 172, 168)` looks like.

```
.text, #text, p{  
    color:rgb(134, 172, 168)  
}
```

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(134, 172, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.6519, 37.4005, 42.5966 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(134, 172, 168) }
```


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

```
.border{ border-color:rgb(134, 172, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 172, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 168);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6519, 37.4005, 42.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 168) }
```

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

```
.background{ background-color: rgb(134,  
172, 168) }
```

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