

Converting Colors

XYZ(31.5204, 36.5347, 15.7465)

Have a look what the booklet for
XYZ(31.5204, 36.5347, 15.7465)
contains.

XYZ(31.5204, 36.5347, 15.7465)	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(31.5204, 36.5347,
15.7465)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A75D
RGB	166, 167, 93
RGB Percent	65%, 65%, 36%
CMY	0.3490, 0.3451, 0.6353
CMYK	0.01, 0.00, 0.44, 0.35
HSL	61°, 30%, 51%
HSV	61°, 44%, 65%
XYZ	31.5204, 36.5347, 15.7465
YIQ	158.2650, 23.1580, -23.2260

Conversions

Conversions Part 2

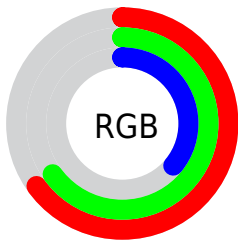
Format	Color
RYB	93, 167, 94
Decimal	10921821
CIELab	66.93, -11.35, 38.00
CIElCh	67, 39.657, 106.635
Yxy	36.5347, 0.3761, 0.4360
Android (android.graphics.Color)	4289111901 (0xFFA6A75D)
YUV	158.2650, -32.1756, 6.7836
Hunter-Lab	60.4439, -12.6924, 26.8649

Details

The XYZ color **31.5204, 36.5347, 15.7465** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5067, 12.9992, 38.2531**, and the grayscale version is **32.7547, 34.4605, 37.5275**.

A 20% lighter version of the original color is **61.3563, 69.8165, 37.0302**, and **13.2674, 15.8881, 4.7503** is the 20% darker color. If you saturate the color by 10%, you get **30.8130, 36.2476, 12.2650**, and if you desaturate by 10%, it is **32.3913, 36.8898, 20.0803**.

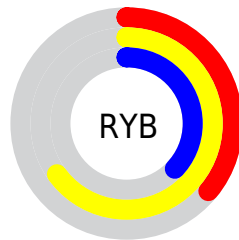
Distribution



Red (65%)

Green (65%)

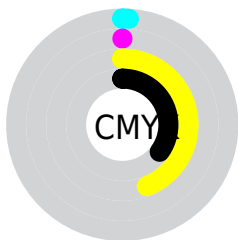
Blue (36%)



Red (36%)

Yellow (65%)

Blue (37%)

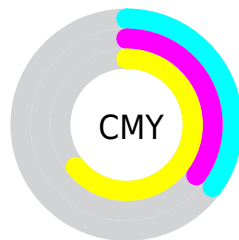


Cyan (1%)

Magenta (0%)

Yellow (44%)

Black (35%)



Cyan (35%)


Magenta (35%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5204, 36.5347, 15.7465 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 31.5204, 36.5347, 15.7465 by changing the saturation by 10% instead.


 31.5204, 36.5347,
15.7465


 31.5204, 36.5347,
15.7465


300.7129,
331.2916, 239.6356


 21.1492, 24.8474,
9.1925


 61.4288, 69.8566,
36.9182

 13.3462, 15.9634,
4.7685


 81.6966, 92.2600,
52.3730

 7.7460, 9.4983,
2.0557

 105.9941,
119.0042, 71.6319

 3.9833, 5.0676,
0.5892

 134.6865,
150.4736, 95.1133

 1.6927, 2.2870,
0.0000

168.1393,
187.0527, 123.2359

 0.4517, 0.7668,
0.0000

206.7177,

 0.0000, 0.0000,

229.1258, 156.4181

0.0000

250.7871,
277.0773, 195.0785

■ 31.5204, 36.5347,
15.7465

■ 31.5204, 36.5347,
15.7465

■ 30.8130, 36.2476,
12.2650

■ 32.3913, 36.8898,
20.0803

■ 30.2557, 36.0192,
9.5776

■ 33.4326, 37.3119,
25.3151

■ 29.8375, 35.8464,
7.6224


■ 34.6541, 37.8060,
31.4985


■ 29.5447, 35.7239,
6.3273

■ 36.0641, 38.3755,
38.6742


■ 29.3610, 35.6449,
5.6055

■ 37.6705, 39.0236,
46.8832

 29.2821, 35.6103,
5.3301

 39.4805, 39.7531,
56.1641

 41.5011, 40.5669,
66.5536

 43.7389, 41.4676,
78.0866

 46.2003, 42.4578,
90.7965

Harmonies

Analogous

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



37.4659, 36.5347, 15.4844



31.5204, 36.5347, 15.7465



26.9821, 36.5347, 21.1054

Triad

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



31.5204, 36.5347, 15.7465



27.3782, 36.5347, 69.0228



47.2275, 36.5347, 47.9325

Complementary

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



31.5204, 36.5347, 15.7465



15.5067, 12.9992, 38.2531

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.



43.8236, 36.5347, 67.1121



31.5204, 36.5347, 15.7465



32.1214, 36.5347, 81.4567

Square

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



31.5204, 36.5347, 15.7465



24.7865, 36.5347, 50.0283



38.1400, 36.5347, 80.6710



47.0182, 36.5347, 31.0367

Rectangle

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



31.5204, 36.5347, 15.7465



25.1590, 36.5347, 28.0437



38.1400, 36.5347, 80.6710



46.4525, 36.5347, 54.4045

Sweetspot

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



31.5213, 36.5364, 15.7473



62.3151, 67.8075, 57.7050



21.8277, 16.8354, 12.4555



13.8321, 15.1284, 12.3406



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.5213, 36.5364, 15.7473



55.2209, 64.9297, 22.1595



25.0018, 33.1754, 15.4422



8.1367, 8.7686, 8.0529



22.4093, 27.2496, 4.0786



0.5483, 0.6646, 0.0994

Inverse Universe

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



15.5067, 12.9992, 38.2531



22.8739, 17.3836, 67.6251



20.0964, 15.3653, 38.4679



7.1409, 7.3052, 9.4520



5.3625, 2.1479, 28.1074



0.1333, 0.0537, 0.6840

Previews

White Background



This preview shows how the XYZ color 31.5204, 36.5347, 15.7465 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 31.5204, 36.5347, 15.7465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

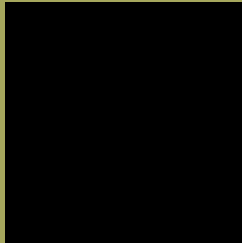
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5204, 36.5347, 15.7465

Background



This preview shows how black text looks on a background with the XYZ color 31.5204, 36.5347, 15.7465.



This preview shows how white text looks on a background with the XYZ color 31.5204, 36.5347,

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

31.5204, 36.5347, 15.7465

Protanopia

33.6194, 36.5508, 15.4083

Deuteranopia

37.1214, 36.2930, 16.1151



Tritanopia

37.1618, 36.4700, 43.1110

Trichromacy



Original Color

31.5204, 36.5347, 15.7465

Protanomaly

32.6628, 36.3223, 15.4146

Deuteranomaly

34.7134, 36.0616, 15.9575

Tritanomaly

34.6406, 36.2134, 30.7553

Monochromacy



Original Color

31.5204, 36.5347, 15.7465

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7459, 34.7880, 27.5958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5204, 36.5347, 15.7465 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(166, 167, 93)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 93)  
}
```

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(166, 167, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 93) }
```

Border

The CSS property to change the border of an element to XYZ 31.5204, 36.5347, 15.7465 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(166, 167, 93) }
```


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

```
.border{ border-color:rgb(166, 167, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 167, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 93);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5204, 36.5347, 15.7465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 93) }
```

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

```
.background{ background-color: rgb(166,  
167, 93) }
```

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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