

Converting Colors

XYZ(31.0192, 35.6016, 21.7601)

Have a look what the booklet for
XYZ(31.0192, 35.6016, 21.7601)
contains.

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Color

**XYZ(31.1047, 35.6448,
21.7637)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A574
RGB	160, 165, 116
RGB Percent	63%, 65%, 45%
CMY	0.3725, 0.3529, 0.5451
CMYK	0.03, 0.00, 0.30, 0.35
HSL	66°, 21%, 55%
HSV	66°, 30%, 65%
XYZ	31.1047, 35.6448, 21.7637
YIQ	157.9190, 12.7490, -16.2990

Conversions

Conversions Part 2

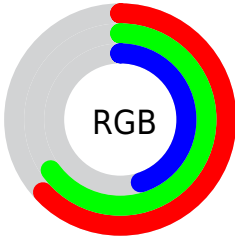
Format	Color
RYB	116, 165, 121
Decimal	10528116
CIELab	66.25, -9.95, 24.87
CIElCh	66, 26.787, 111.816
Yxy	35.6448, 0.3514, 0.4027
Android (android.graphics.Color)	4288718196 (0xFFA0A574)
YUV	157.9190, -20.6661, 1.8250
Hunter-Lab	59.7033, -11.4843, 20.1792

Details

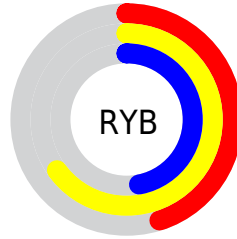
The XYZ color **31.1047, 35.6448, 21.7637** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.9234, 19.2733, 38.2167**, and the grayscale version is **32.5501, 34.2452, 37.2931**.

A 20% lighter version of the original color is **60.6854, 68.4606, 47.0615**, and **13.1026, 15.4036, 7.5928** is the 20% darker color. If you saturate the color by 10%, you get **29.8947, 35.1234, 17.1342**, and if you desaturate by 10%, it is **32.4916, 36.2400, 27.2928**.

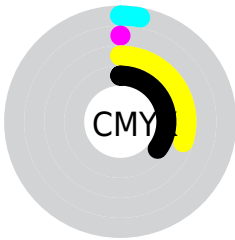
Distribution



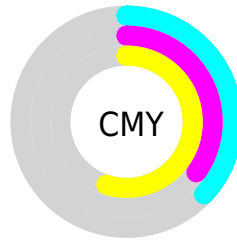
- Red (63%)
- Green (65%)
- Blue (45%)



- Red (45%)
- Yellow (65%)
- Blue (47%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)



- Cyan (37%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1047, 35.6448, 21.7637 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 31.1047, 35.6448, 21.7637 by changing the saturation by 10% instead.

■ 31.1047, 35.6448,
21.7637

■ 31.1047, 35.6448,
21.7637

298.8387,
327.4054, 274.2229

■ 20.8308, 24.1600,
13.4867

■ 60.7796, 68.4835,
47.2523

■ 13.1121, 15.4523,
7.6299

■ 80.9113, 90.6061,
65.3010

■ 7.5833, 9.1375,
3.7747

■ 105.0597,
117.0435, 87.4440

■ 3.8791, 4.8310,
1.5026

133.5900,
148.1800, 114.0999

■ 1.6339, 2.1484,
0.2198

166.8678,
184.4001, 145.6872

■ 0.4144, 0.6917,
0.0000

205.2582,

■ 0.0000, 0.0000,

226.0881, 182.6244

0.0000

249.1267,
273.6284, 225.3302

■ 31.1047, 35.6448,
21.7637

■ 31.1047, 35.6448,
21.7637

■ 29.8947, 35.1234,
17.1342

■ 32.4916, 36.2400,
27.2928

■ 28.8498, 34.6673,
13.3547

■ 34.0611, 36.9075,
33.7634

■ 27.9611, 34.2742,
10.3738

■ 35.8218, 37.6520,
41.2173

■ 27.2176, 33.9397,
8.1341

■ 37.7812, 38.4766,
49.6931

■ 26.6070, 33.6589,
6.5703

■ 39.9463, 39.3839,
59.2276

■ 26.1145, 33.4259,
5.6057

■ 42.3236, 40.3766,
69.8555

■ 25.7085, 33.2279,
5.0730

■ 44.9194, 41.4574,
81.6100

■ 25.6965, 33.2221,
5.0582

■ 47.7399, 42.6285,
94.5229

■ 49.2222, 43.2649,
100.3644

Harmonies

Analogous

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



34.9843, 35.6448, 20.8577



31.1047, 35.6448, 21.7637



28.1942, 35.6448, 26.7405

Triad

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



31.1047, 35.6448, 21.7637



29.3501, 35.6448, 58.7932



42.0635, 35.6448, 42.0270

Complementary

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



31.1047, 35.6448, 21.7637



20.9234, 19.2733, 38.2167

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.



40.2814, 35.6448, 54.0572



31.1047, 35.6448, 21.7637



32.7978, 35.6448, 64.9055

Square

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



31.1047, 35.6448, 21.7637



27.2380, 35.6448, 47.5720



36.8142, 35.6448, 63.0203



41.5209, 35.6448, 31.1978

Rectangle

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



31.1047, 35.6448, 21.7637



27.0943, 35.6448, 32.3441



36.8142, 35.6448, 63.0203



41.7118, 35.6448, 46.0874

Sweetspot

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



31.1056, 35.6464, 21.7645



61.1568, 66.1625, 61.1309



25.4959, 22.9117, 19.6021



13.2798, 14.4262, 12.9873



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.



31.1056, 35.6464, 21.7645



54.1629, 63.1715, 33.0387



26.6973, 33.3738, 21.5581



7.5778, 8.2004, 7.5635



19.4628, 25.1439, 3.8275



0.4280, 0.5382, 0.0813

Inverse Universe

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



20.9234, 19.2733, 38.2167



32.7918, 28.7980, 67.5826



24.7857, 21.2643, 38.3974



6.7645, 6.8930, 8.8770



5.3323, 2.1554, 27.0648



0.1308, 0.0549, 0.5696

Previews

White Background



This preview shows how the XYZ color 31.1047, 35.6448, 21.7637 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 31.1047, 35.6448, 21.7637 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

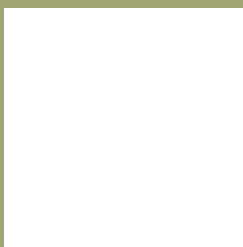
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1047, 35.6448, 21.7637

Background



This preview shows how black text looks on a background with the XYZ color 31.1047, 35.6448, 21.7637.



This preview shows how white text looks on a background with the XYZ color 31.1047, 35.6448,

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

31.1047, 35.6448, 21.7637

Protanopia

33.0157, 35.5889, 21.0488

Deuteranopia

36.0608, 35.3664, 22.0653



Tritanopia

35.4189, 35.5715, 43.0294

Trichromacy



Original Color

31.1047, 35.6448, 21.7637

Protanomaly

32.1633, 35.4033, 21.3580

Deuteranomaly

34.0282, 35.3218, 21.8539

Tritanomaly

33.5597, 35.5843, 33.9538

Monochromacy



Original Color

31.1047, 35.6448, 21.7637

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0009, 34.8438, 31.0255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1047, 35.6448, 21.7637 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(160, 165, 116)` looks like.

```
.text, #text, p{  
    color:rgb(160, 165, 116)  
}
```

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(160, 165, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 165, 116) }
```

Border

The CSS property to change the border of an element to XYZ 31.1047, 35.6448, 21.7637 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(160, 165, 116) }
```


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

```
.border{ border-color:rgb(160, 165, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 165, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 165, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 165, 116);  
box-shadow:4px 4px 4px 4px rgb(160, 165,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1047, 35.6448, 21.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 165, 116) }
```

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

```
.background{ background-color: rgb(160,  
165, 116) }
```

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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