

Converting Colors

XYZ(29.1221, 31.1072, 17.7134)

Have a look what the booklet for
XYZ(29.1221, 31.1072, 17.7134)
contains.

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Color

**XYZ(29.1335, 31.1525,
17.8421)**

Conversions

Conversions Part 1

Format	Color
Hex	A59769
RGB	165, 151, 105
RGB Percent	65%, 59%, 41%
CMY	0.3529, 0.4078, 0.5882
CMYK	0.00, 0.08, 0.36, 0.35
HSL	46°, 25%, 53%
HSV	46°, 36%, 65%
XYZ	29.1335, 31.1525, 17.8421
YIQ	149.9420, 23.1100, -11.3380

Conversions

Conversions Part 2

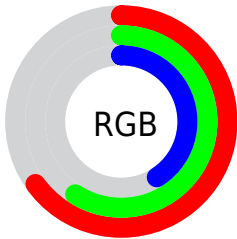
Format	Color
RYB	123, 165, 105
Decimal	10852201
CIELab	62.64, -1.83, 26.14
CIElCh	63, 26.199, 93.997
Yxy	31.1525, 0.3729, 0.3987
Android (android.graphics.Color)	4289042281 (0xFFA59769)
YUV	149.9420, -22.1564, 13.2059
Hunter-Lab	55.8144, -4.5035, 20.1170

Details

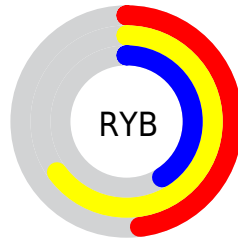
The XYZ color **29.1335, 31.1525, 17.8421** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.2139, 18.9130, 38.2353**, and the grayscale version is **29.0497, 30.5625, 33.2826**.

A 20% lighter version of the original color is **57.7359, 61.4691, 40.7200**, and **11.9778, 12.8545, 5.7208** is the 20% darker color. If you saturate the color by 10%, you get **27.7573, 29.6281, 13.5976**, and if you desaturate by 10%, it is **30.6961, 32.7861, 22.9613**.

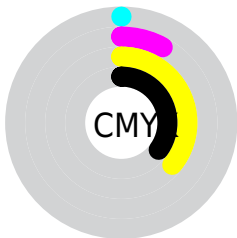
Distribution



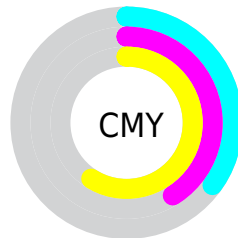
- Red (65%)
- Green (59%)
- Blue (41%)



- Red (48%)
- Yellow (65%)
- Blue (41%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)
- Black (35%)



- Cyan (35%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1335, 31.1525, 17.8421 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 29.1335, 31.1525, 17.8421 by changing the saturation by 10% instead.

■ 29.1335, 31.1525,
17.8421

■ 29.1335, 31.1525,
17.8421

289.8272,
307.2403, 252.1857

■ 19.3266, 20.7150,
10.6684

■ 57.6852, 61.4801,
40.5784

■ 12.0119, 12.9158,
5.7330

■ 77.1608, 82.1390,
56.9781

■ 6.8241, 7.3706,
2.6173

■ 100.5899,
106.9738, 77.2901

■ 3.3977, 3.6949,
0.9013

■ 128.3380,
136.3689, 101.9332

■ 1.3674, 1.5044,
0.0000

160.7705,
170.7087, 131.3257

■ 0.2328, 0.2918,
0.0000

198.2526,

■ 0.0000, 0.0000,

210.3776, 165.8863

0.0000

241.1497,
255.7600, 206.0334

■ 29.1335, 31.1525,
17.8421

■ 29.1335, 31.1525,
17.8421

■ 27.7573, 29.6281,
13.5976

■ 30.6961, 32.7861,
22.9613

■ 26.5554, 28.2043,
10.1755

■ 32.4516, 34.5284,
28.9996

■ 25.5178, 26.8780,
7.5208

■ 34.4093, 36.3845,
36.0006

■ 24.6325, 25.6441,
5.5711

■ 36.5770, 38.3578,
44.0048

■ 23.8855, 24.4967,
4.2541

■ 38.9620, 40.4517,
53.0501

■ 23.2575, 23.4276,
3.4685

■ 41.5714, 42.6691,
63.1726

■ 23.0434, 23.0520,
3.2350

■ 44.4118, 45.0130,
74.4066

■ 47.4896, 47.4862,
86.7848

■ 50.8109, 50.0916,
100.3386

Harmonies

Analogous

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



32.7229, 31.1525, 19.1382



29.1335, 31.1525, 17.8421



25.9339, 31.1525, 20.0894

Triad

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



29.1335, 31.1525, 17.8421



24.2741, 31.1525, 46.1456



36.2192, 31.1525, 43.2918

Complementary

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



29.1335, 31.1525, 17.8421



19.2139, 18.9130, 38.2353

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.



33.6170, 31.1525, 52.9738



29.1335, 31.1525, 17.8421



26.7002, 31.1525, 54.8403

Square

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



29.1335, 31.1525, 17.8421



23.2747, 31.1525, 35.3090



30.0907, 31.1525, 57.5602



37.0006, 31.1525, 32.5675

Rectangle

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



29.1335, 31.1525, 17.8421



24.3951, 31.1525, 23.6241



30.0907, 31.1525, 57.5602



35.5186, 31.1525, 46.8415

Sweetspot

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



29.1343, 31.1539, 17.8427



59.8820, 63.5276, 58.1875



23.8987, 19.4347, 19.9448



12.9945, 13.7964, 12.3752



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.



29.1343, 31.1539, 17.8427



50.0741, 53.4749, 25.4365



28.3996, 34.3199, 18.4926



7.5087, 7.9558, 7.5200



17.4719, 17.5177, 2.4604



0.3995, 0.4329, 0.0625

Inverse Universe

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



19.2139, 18.9130, 38.2353



29.5659, 28.1822, 67.6337



19.7286, 16.8851, 37.8168



6.8284, 7.1157, 8.9166



5.7072, 3.1938, 27.2454



0.1532, 0.1336, 0.5836

Previews

White Background



This preview shows how the XYZ color 29.1335, 31.1525, 17.8421 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 29.1335, 31.1525, 17.8421 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

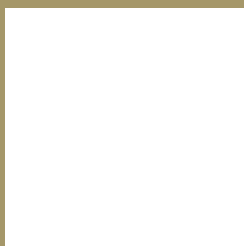
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1335, 31.1525, 17.8421

Background



This preview shows how black text looks on a background with the XYZ color 29.1335, 31.1525, 17.8421.



This preview shows how white text looks on a background with the XYZ color 29.1335, 31.1525,

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

29.1335, 31.1525, 17.8421

Protanopia

28.9263, 31.0457, 17.8324

Deuteranopia

31.5493, 30.9947, 17.9554



Tritanopia

32.9207, 31.3090, 35.7606

Trichromacy



Original Color

29.1335, 31.1525, 17.8421

Protanomaly

28.9263, 31.0457, 17.8324

Deuteranomaly

30.7144, 31.0220, 18.0047

Tritanomaly

31.3113, 31.1086, 28.0212

Monochromacy



Original Color

29.1335, 31.1525, 17.8421

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7270, 30.5025, 26.9277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1335, 31.1525, 17.8421 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(165, 151, 105)` looks like.

```
.text, #text, p{  
    color:rgb(165, 151, 105)  
}
```

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(165, 151, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 151, 105) }
```

Border

The CSS property to change the border of an element to XYZ 29.1335, 31.1525, 17.8421 is called "border". The border property can be set on classes, ids or directly on the HTML element.

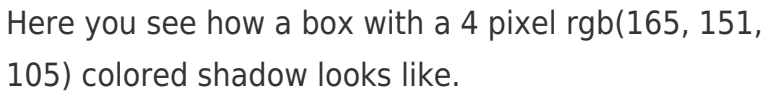
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 151, 105) }
```


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

```
.border{ border-color:rgb(165, 151, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 151, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 151, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 151, 105); box-shadow:4px 4px 4px 4px rgb(165, 151, 105) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1335, 31.1525, 17.8421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 151, 105) }
```

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

```
.background{ background-color: rgb(165,  
151, 105) }
```

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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