

Converting Colors

XYZ(28.2819, 30.3776, 13.9356)

Have a look what the booklet for
XYZ(28.2819, 30.3776, 13.9356)
contains.

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Color

**XYZ(28.3188, 30.3401,
14.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	A6955A
RGB	166, 149, 90
RGB Percent	65%, 58%, 35%
CMY	0.3490, 0.4157, 0.6471
CMYK	0.00, 0.10, 0.46, 0.35
HSL	47°, 30%, 50%
HSV	47°, 46%, 65%
XYZ	28.3188, 30.3401, 14.0365
YIQ	147.3570, 29.0710, -14.7450

Conversions

Conversions Part 2

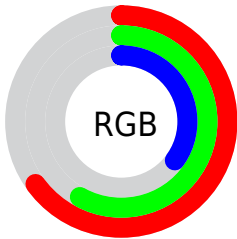
Format	Color
RYB	112, 166, 90
Decimal	10917210
CIELab	61.95, -2.03, 33.36
CIELCh	62, 33.419, 93.476
Yxy	30.3401, 0.3896, 0.4174
Android (android.graphics.Color)	4289107290 (0xFFA6955A)
YUV	147.3570, -28.2770, 16.3499
Hunter-Lab	55.0818, -4.6224, 23.4484

Details

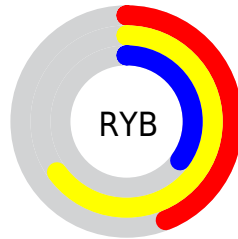
The XYZ color **28.3188, 30.3401, 14.0365** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.3569, 15.4416, 38.1947**, and the grayscale version is **27.9868, 29.4443, 32.0648**.

A 20% lighter version of the original color is **56.2879, 60.1646, 33.8455**, and **11.5618, 12.5356, 4.0007** is the 20% darker color. If you saturate the color by 10%, you get **27.1119, 28.9336, 10.5292**, and if you desaturate by 10%, it is **29.7037, 31.8500, 18.3824**.

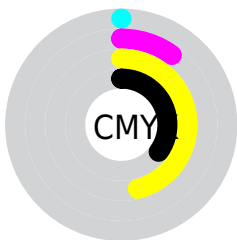
Distribution



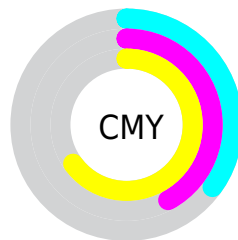
- Red (65%)
- Green (58%)
- Blue (35%)



- Red (44%)
- Yellow (65%)
- Blue (35%)



- Cyan (0%)
- Magenta (10%)
- Yellow (46%)
- Black (35%)



- Cyan (35%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3188, 30.3401, 14.0365 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 28.3188, 30.3401, 14.0365 by changing the saturation by 10% instead.

■ 28.3188, 30.3401,
14.0365

■ 28.3188, 30.3401,
14.0365

286.0397,
303.4865, 228.8941

■ 18.7078, 20.0969,
8.0070

■ 56.3981, 60.1996,
33.8718

■ 11.5621, 12.4655,
4.0116

■ 75.5971, 80.5847,
48.5148

■ 6.5163, 7.0615,
1.6317

■ 98.7229, 105.1192,
66.8659

■ 3.2051, 3.5006,
0.3133

■ 126.1407,
134.1875, 89.3439

■ 1.2631, 1.3983,
0.0000

158.2159,
168.1739, 116.3671

■ 0.1554, 0.2155,
0.0000

195.3139,

■ 0.0000, 0.0000,

207.4630, 148.3542

0.0000

237.8000,
252.4391, 185.7237

■ 28.3188, 30.3401,
14.0365

■ 28.3188, 30.3401,
14.0365

■ 27.1119, 28.9336,
10.5292

■ 29.7037, 31.8500,
18.3824

■ 26.0701, 27.6217,
7.8025

■ 31.2742, 33.4632,
23.6158

■ 25.1818, 26.4006,
5.7941

■ 33.0401, 35.1852,
29.7843

■ 24.4332, 25.2645,
4.4314

■ 35.0099, 37.0194,
36.9313

■ 23.8060, 24.2058,
3.6185

■ 37.1914, 38.9693,
45.0976

■ 23.5600, 23.7753,
3.3473

■ 39.5920, 41.0382,
54.3216

■ 42.2189, 43.2291,
64.6398

■ 45.0788, 45.5449,
76.0869

■ 48.1782, 47.9886,
88.6961

Harmonies

Analogous

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



32.8535, 30.3401, 15.5268



28.3188, 30.3401, 14.0365



24.3465, 30.3401, 16.4476

Triad

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



28.3188, 30.3401, 14.0365



22.2386, 30.3401, 48.5787



37.2424, 30.3401, 45.3085

Complementary

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



28.3188, 30.3401, 14.0365



16.3569, 15.4416, 38.1947

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.



33.8490, 30.3401, 58.1507



28.3188, 30.3401, 14.0365



25.1626, 30.3401, 60.3562

Square

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



28.3188, 30.3401, 14.0365



21.0725, 30.3401, 34.5519



29.3622, 30.3401, 64.2458



38.3078, 30.3401, 31.5635

Rectangle

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



28.3188, 30.3401, 14.0365



22.4602, 30.3401, 20.4313



29.3622, 30.3401, 64.2458



36.3201, 30.3401, 49.9808

Sweetspot

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



28.3195, 30.3415, 14.0371



60.4848, 64.3513, 55.9136



22.0748, 16.4966, 16.1341



13.3764, 14.2496, 11.9451



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.



28.3195, 30.3415, 14.0371



49.1570, 52.4528, 18.9747



27.2885, 34.0972, 14.8164



8.0025, 8.4850, 8.0053



18.3055, 18.5083, 2.6077



0.4796, 0.5188, 0.0749

Inverse Universe

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



16.3569, 15.4416, 38.1947



24.7114, 22.0324, 68.4255



17.0030, 13.3980, 37.7662



7.2628, 7.5626, 9.4953



5.8833, 3.2268, 28.2882



0.1794, 0.1510, 0.7003

Previews

White Background



This preview shows how the XYZ color 28.3188, 30.3401, 14.0365 looks on a white background.

Color Contrast Check

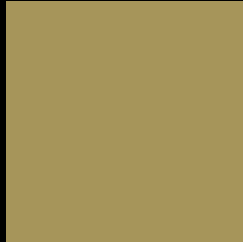
Large Text (above 18pt) WCAG AA × Fail

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 28.3188, 30.3401, 14.0365 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 28.3188, 30.3401, 14.0365

Background



This preview shows how black text looks on a background with the XYZ color 28.3188, 30.3401, 14.0365.



This preview shows how white text looks on a background with the XYZ color 28.3188, 30.3401,

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

28.3188, 30.3401, 14.0365

Protanopia

28.0617, 30.4434, 14.0700

Deuteranopia

30.7668, 30.2240, 14.1098



Tritanopia

32.4360, 30.4166, 34.2984

Trichromacy



Original Color

28.3188, 30.3401, 14.0365

Protanomaly

28.2689, 30.5502, 14.0797

Deuteranomaly

29.9182, 30.2362, 14.1568

Tritanomaly

30.7322, 30.4086, 25.3688

Monochromacy



Original Color

28.3188, 30.3401, 14.0365

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6822, 29.5562, 23.9846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3188, 30.3401, 14.0365 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, 149, 90)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 90)  
}
```

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, 149, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.3188, 30.3401, 14.0365 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, 149, 90) }
```


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

```
.border{ border-color:rgb(166, 149, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 149, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 90);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3188, 30.3401, 14.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 90) }
```

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

```
.background{ background-color: rgb(166,  
149, 90) }
```

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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