

Converting Colors

XYZ(30.6530, 33.5594, 13.0513)

Have a look what the booklet for
XYZ(30.6530, 33.5594, 13.0513)
contains.

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Color

**XYZ(30.6316, 33.5091,
13.0371)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9D53
RGB	172, 157, 83
RGB Percent	67%, 62%, 33%
CMY	0.3255, 0.3843, 0.6745
CMYK	0.00, 0.09, 0.52, 0.33
HSL	50°, 35%, 50%
HSV	50°, 52%, 67%
XYZ	30.6316, 33.5091, 13.0371
YIQ	153.0490, 32.6940, -19.8340

Conversions

Conversions Part 2

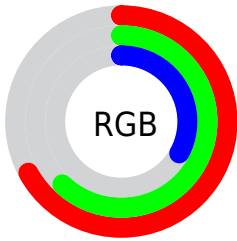
Format	Color
RYB	101, 172, 83
Decimal	11312467
CIELab	64.57, -4.48, 40.34
CIELCh	65, 40.588, 96.343
Yxy	33.5091, 0.3969, 0.4342
Android (android.graphics.Color)	4289502547 (0xFFAC9D53)
YUV	153.0490, -34.5342, 16.6200
Hunter-Lab	57.8870, -6.8470, 27.1679

Details

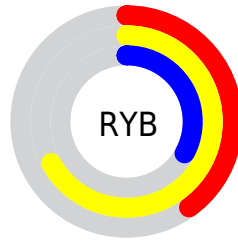
The XYZ color **30.6316, 33.5091, 13.0371** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3814, 13.5526, 40.8350**, and the grayscale version is **30.4360, 32.0210, 34.8709**.

A 20% lighter version of the original color is **59.9104, 64.9678, 31.9367**, and **12.9140, 14.2751, 3.5881** is the 20% darker color. If you saturate the color by 10%, you get **29.5640, 32.3080, 9.8016**, and if you desaturate by 10%, it is **31.8772, 34.8025, 17.1454**.

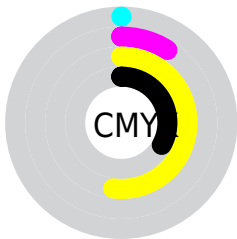
Distribution



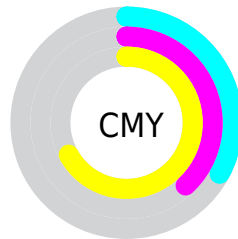
- Red (67%)
- Green (62%)
- Blue (33%)



- Red (40%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6316, 33.5091, 13.0371 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 30.6316, 33.5091, 13.0371 by changing the saturation by 10% instead.

■ 30.6316, 33.5091,
13.0371

■ 30.6316, 33.5091,
13.0371

296.6948,
317.9376, 222.3715

■ 20.4689, 22.5167,
7.3231

■ 60.0394, 65.1695,
32.0626

■ 12.8466, 14.2371,
3.5835

■ 80.0152, 86.6064,
46.2111

■ 7.3993, 8.2857,
1.3997

■ 103.9928,
112.2936, 64.0082

■ 3.7616, 4.2783,
0.1415

■ 132.3375,
142.6154, 85.8725

■ 1.5682, 1.8304,
0.0000

■ 165.4148,
177.9564, 112.2224

■ 0.3715, 0.5060,
0.0000

203.5898,

■ 0.0000, 0.0000,

218.7008, 143.4765

0.0000

247.2280,
265.2330, 180.0533

■ 30.6316, 33.5091,
13.0371

■ 30.6316, 33.5091,
13.0371

■ 29.5640, 32.3080,
9.8016

■ 31.8772, 34.8025,
17.1454

■ 28.6594, 31.1894,
7.3716

■ 33.3097, 36.1881,
22.1833

■ 27.9045, 30.1490,
5.6729

■ 34.9400, 37.6718,
28.2050

■ 27.2824, 29.1799,
4.6170

■ 36.7777, 39.2573,
35.2600

■ 26.8386, 28.4213,
4.0713

■ 38.8315, 40.9485,
43.3945

■ 41.1098, 42.7486,
52.6518

■ 43.6205, 44.6611,
63.0730

■ 46.3710, 46.6889,
74.6970

■ 49.3684, 48.8351,
87.5609

Harmonies

Analogous

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



36.5437, 33.5091, 14.3326



30.6316, 33.5091, 13.0371



25.6795, 33.5091, 16.3124

Triad

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



30.6316, 33.5091, 13.0371



23.6748, 33.5091, 58.9091



43.2118, 33.5091, 50.8820

Complementary

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



30.6316, 33.5091, 13.0371



15.3814, 13.5526, 40.8350

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.



38.9359, 33.5091, 68.7843



30.6316, 33.5091, 13.0371



27.5754, 33.5091, 74.3182

Square

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



30.6316, 33.5091, 13.0371



21.9901, 33.5091, 40.1341



33.0990, 33.5091, 78.3946



44.2870, 33.5091, 33.0654

Rectangle

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



30.6316, 33.5091, 13.0371



23.4294, 33.5091, 21.4763



33.0990, 33.5091, 78.3946



42.0779, 33.5091, 57.2356

Sweetspot

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



30.6324, 33.5107, 13.0378



65.1576, 69.8883, 57.9134



22.3741, 15.8645, 13.7673



14.0177, 15.0650, 12.0399



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.



30.6324, 33.5107, 13.0378



53.3919, 58.3251, 17.0949



27.7837, 36.0425, 13.6766



8.5461, 9.0970, 8.5188



20.0069, 21.2194, 3.0413



0.5865, 0.6501, 0.0946

Inverse Universe

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



15.3814, 13.5526, 40.8350



22.7181, 18.2240, 73.1260



17.1187, 12.5569, 40.5512



7.6839, 7.9672, 10.0855



5.8965, 2.9269, 29.2987



0.1961, 0.1456, 0.8258

Previews

White Background



This preview shows how the XYZ color 30.6316, 33.5091, 13.0371 looks on a white background.

Color Contrast Check

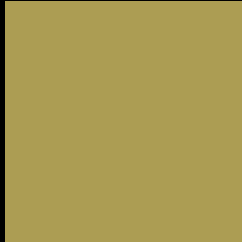
Large Text (above 18pt) WCAG AA × Fail

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 30.6316, 33.5091, 13.0371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

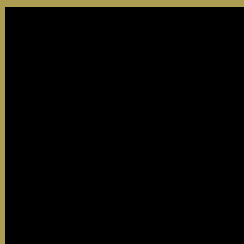
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6316, 33.5091, 13.0371

Background



This preview shows how black text looks on a background with the XYZ color 30.6316, 33.5091, 13.0371.



This preview shows how white text looks on a background with the XYZ color 30.6316, 33.5091,

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

30.6316, 33.5091, 13.0371

Protanopia

30.8519, 33.6227, 13.0474

Deuteranopia

34.1254, 33.3572, 13.2343



Tritanopia

35.5255, 33.3016, 37.8132

Trichromacy



Original Color

30.6316, 33.5091, 13.0371

Protanomaly

30.8519, 33.6227, 13.0474

Deuteranomaly

32.8361, 33.4109, 13.1058

Tritanomaly

33.1360, 33.0293, 26.4586

Monochromacy



Original Color

30.6316, 33.5091, 13.0371

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9491, 32.1433, 25.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6316, 33.5091, 13.0371 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(172, 157, 83)` looks like.

```
.text, #text, p{  
    color:rgb(172, 157, 83)  
}
```

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(172, 157, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 157, 83) }
```

Border

The CSS property to change the border of an element to XYZ 30.6316, 33.5091, 13.0371 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(172, 157, 83) }
```


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

```
.border{ border-color:rgb(172, 157, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 157, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 157, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 157, 83);  
box-shadow:4px 4px 4px 4px rgb(172, 157,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6316, 33.5091, 13.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 157, 83) }
```

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

```
.background{ background-color: rgb(172,  
157, 83) }
```

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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