

Converting Colors

XYZ(28.3228, 31.4505, 6.4974)

Have a look what the booklet for
XYZ(28.3228, 31.4505, 6.4974)
contains.

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Color

**XYZ(28.3350, 31.4750,
6.5013)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9927
RGB	170, 153, 39
RGB Percent	67%, 60%, 15%
CMY	0.3333, 0.4000, 0.8470
CMYK	0.00, 0.10, 0.77, 0.33
HSL	52°, 63%, 41%
HSV	52°, 77%, 67%
XYZ	28.3350, 31.4750, 6.5013
YIQ	145.0870, 46.7260, -31.8500

Conversions

Conversions Part 2

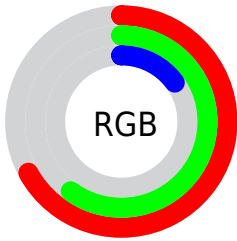
Format	Color
RYB	59, 170, 39
Decimal	11180327
CIELab	62.91, -6.10, 57.88
CIELCh	63, 58.196, 96.017
Yxy	31.4750, 0.4273, 0.4747
Android (android.graphics.Color)	4289370407 (0xFFAA9927)
YUV	145.0870, -52.3009, 21.8487
Hunter-Lab	56.1026, -8.0269, 32.4011

Details

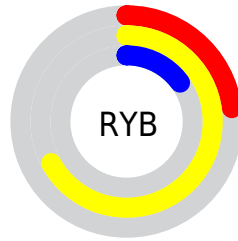
The XYZ color **28.3350, 31.4750, 6.5013** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5066, 6.1619, 38.7182**, and the grayscale version is **27.1426, 28.5561, 31.0976**.

A 20% lighter version of the original color is **56.2835, 61.9099, 19.3393**, and **11.6908, 13.0801, 1.9086** is the 20% darker color. If you saturate the color by 10%, you get **27.7566, 30.6726, 5.2167**, and if you desaturate by 10%, it is **29.0477, 32.3443, 8.4540**.

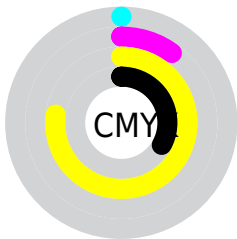
Distribution



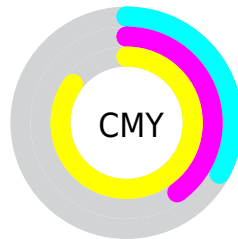
- Red (67%)
- Green (60%)
- Blue (15%)



- Red (23%)
- Yellow (67%)
- Blue (15%)



- Cyan (0%)
- Magenta (10%)
- Yellow (77%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3350, 31.4750, 6.5013 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 28.3350, 31.4750, 6.5013 by changing the saturation by 10% instead.

■ 28.3350, 31.4750,
6.5013

■ 28.3350, 31.4750,
6.5013

286.1154,
308.7207, 172.9237

■ 18.7201, 20.9608,
3.0786

■ 56.4238, 61.9871,
19.4582

■ 11.5710, 13.0954,
1.1349

■ 75.6283, 82.7539,
29.8294

■ 6.5224, 7.4942,
0.0000

■ 98.7601, 107.7069,
43.3539

■ 3.2089, 3.7731,
0.0000

■ 126.1845,
137.2307, 60.4501

■ 1.2652, 1.5474,
0.0000

■ 158.2669,
171.7096, 81.5367

■ 0.1569, 0.3218,
0.0000

■ 195.3726,

■ 0.0000, 0.0000,

211.5279, 107.0321

0.0000

237.8670,
257.0702, 137.3549

■ 28.3350, 31.4750,
6.5013

■ 28.3350, 31.4750,
6.5013

■ 27.7566, 30.6726,
5.2167

■ 29.0477, 32.3443,
8.4540

■ 27.2881, 29.9235,
4.4813

■ 29.9076, 33.2819,
11.1518

■ 27.1586, 29.7084,
4.3029

■ 30.9283, 34.2947,
14.6632

■ 32.1213, 35.3872,
19.0484

■ 33.4970, 36.5638,
24.3621

■ 35.0649, 37.8281,
30.6542

■ 36.8339, 39.1839,
37.9713

■ 38.8123, 40.6345,
46.3569

■ 41.0079, 42.1832,
55.8521

Harmonies

Analogous

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



36.6021, 31.4750, 7.7469



28.3350, 31.4750, 6.5013



21.7641, 31.4750, 9.5867

Triad

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



28.3350, 31.4750, 6.5013



19.1348, 31.4750, 67.1828



46.2546, 31.4750, 55.4355

Complementary

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



28.3350, 31.4750, 6.5013



9.5066, 6.1619, 38.7182

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.



39.8851, 31.4750, 83.5712



28.3350, 31.4750, 6.5013



24.0982, 31.4750, 92.2048

Square

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



28.3350, 31.4750, 6.5013



17.0955, 31.4750, 39.0909



31.5548, 31.4750, 99.2533



47.9341, 31.4750, 29.8644

Rectangle

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



28.3350, 31.4750, 6.5013



18.9036, 31.4750, 15.0977



31.5548, 31.4750, 99.2533



44.5418, 31.4750, 65.1993

Sweetspot

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



28.3357, 31.4765, 6.5019



61.7713, 67.1577, 48.1475



18.0285, 10.2874, 4.8374



13.5604, 14.8001, 9.8842



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.



28.3357, 31.4765, 6.5019



49.7837, 54.7453, 8.5045



22.7624, 33.0310, 7.0957



8.0626, 8.6053, 8.0253



20.0070, 21.9114, 3.1748



0.5090, 0.5776, 0.0847

Inverse Universe

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



9.5066, 6.1619, 38.7182



14.3187, 7.2104, 69.6390



11.9151, 6.3815, 38.6337



7.2074, 7.4517, 9.4768



5.5734, 2.6071, 28.1850



0.1586, 0.1094, 0.6934

Previews

White Background



This preview shows how the XYZ color 28.3350, 31.4750, 6.5013 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 28.3350, 31.4750, 6.5013 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 28.3350, 31.4750, 6.5013

Background



This preview shows how black text looks on a background with the XYZ color 28.3350, 31.4750, 6.5013.



This preview shows how white text looks on a background with the XYZ color 28.3350, 31.4750,

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

28.3350, 31.4750, 6.5013

Protanopia

28.5520, 31.5869, 6.5115

Deuteranopia

32.0473, 31.5016, 6.6768



Tritanopia

34.2456, 31.5617, 34.8589

Trichromacy



Original Color

28.3350, 31.4750, 6.5013

Protanomaly

28.5520, 31.5869, 6.5115

Deuteranomaly

30.5363, 31.4143, 6.6446

Tritanomaly

31.2628, 31.2674, 19.7167

Monochromacy



Original Color

28.3350, 31.4750, 6.5013

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.5178, 29.0904, 17.8530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3350, 31.4750, 6.5013 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(170, 153, 39)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 39)  
}
```

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(170, 153, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 39) }
```

Border

The CSS property to change the border of an element to XYZ 28.3350, 31.4750, 6.5013 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(170, 153, 39) }
```


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

```
.border{ border-color:rgb(170, 153, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 39);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3350, 31.4750, 6.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 39) }
```

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

```
.background{ background-color: rgb(170,  
153, 39) }
```

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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