

Converting Colors

XYZ(30.9566, 36.4273, 14.5085)

Have a look what the booklet for
XYZ(30.9566, 36.4273, 14.5085)
contains.

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Color

**XYZ(31.0328, 36.5859,
14.4430)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A857
RGB	164, 168, 87
RGB Percent	64%, 66%, 34%
CMY	0.3569, 0.3412, 0.6588
CMYK	0.02, 0.00, 0.48, 0.34
HSL	63°, 32%, 50%
HSV	63°, 48%, 66%
XYZ	31.0328, 36.5859, 14.4430
YIQ	157.5700, 23.6170, -26.0390

Conversions

Conversions Part 2

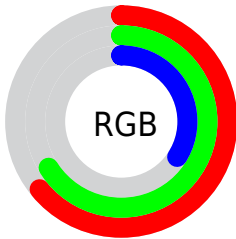
Format	Color
RYB	87, 168, 91
Decimal	10790999
CIELab	66.97, -13.31, 41.04
CIELCh	67, 43.150, 107.971
Yxy	36.5859, 0.3782, 0.4458
Android (android.graphics.Color)	4288981079 (0xFFA4A857)
YUV	157.5700, -34.7910, 5.6391
Hunter-Lab	60.4863, -14.2706, 28.1830

Details

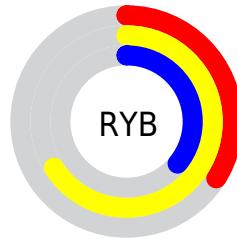
The XYZ color **31.0328, 36.5859, 14.4430** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.7917, 11.8686, 38.5592**, and the grayscale version is **32.4504, 34.1404, 37.1788**.

A 20% lighter version of the original color is **60.5631, 69.8551, 34.7175**, and **13.0097, 15.9394, 4.1412** is the 20% darker color. If you saturate the color by 10%, you get **30.2543, 36.2561, 11.2314**, and if you desaturate by 10%, it is **31.9740, 36.9835, 18.4975**.

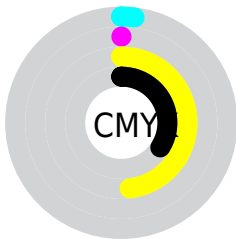
Distribution



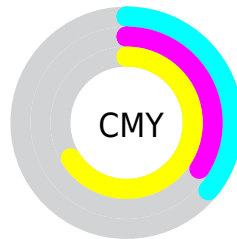
- Red (64%)
- Green (66%)
- Blue (34%)



- Red (34%)
- Yellow (66%)
- Blue (36%)



- Cyan (2%)
- Magenta (0%)
- Yellow (48%)
- Black (34%)



- Cyan (36%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0328, 36.5859, 14.4430 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 31.0328, 36.5859, 14.4430 by changing the saturation by 10% instead.

■ 31.0328, 36.5859,
14.4430

■ 31.0328, 36.5859,
14.4430

298.5136,
331.5142, 231.4931

■ 20.7758, 24.8870,
8.2872

■ 60.6672, 69.9354,
34.6014

■ 13.0717, 15.9929,
4.1888

■ 80.7753, 92.3549,
49.4410

■ 7.5553, 9.5191,
1.7295

■ 104.8978,
119.1167, 68.0124

■ 3.8611, 5.0813,
0.3808

■ 133.4000,
150.6052, 90.7339

■ 1.6239, 2.2951,
0.0000

■ 166.6473,
187.2048, 118.0242

■ 0.4079, 0.7711,
0.0000

205.0052,

■ 0.0000, 0.0000,

229.2999, 150.3018

0.0000

248.8388,
277.2749, 187.9852

■ 31.0328, 36.5859,
14.4430

■ 31.0328, 36.5859,
14.4430

■ 30.2543, 36.2561,
11.2314

■ 31.9740, 36.9835,
18.4975

■ 29.6246, 35.9846,
8.8011

■ 33.0853, 37.4481,
23.4462

■ 29.1317, 35.7680,
7.0861


■ 34.3770, 37.9849,
29.3389


■ 28.7610, 35.6003,
6.0082


■ 35.8577, 38.5974,
36.2212


■ 28.4866, 35.4713,
5.4314


■ 37.5356, 39.2890,
44.1355

 28.4405, 35.4495,
5.3435

 39.4181, 40.0625,
53.1220

 41.5126, 40.9210,
63.2187

 43.8260, 41.8671,
74.4617

 46.3646, 42.9034,
86.8854

Harmonies

Analogous

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



37.4636, 36.5859, 13.9567



31.0328, 36.5859, 14.4430



26.2366, 36.5859, 20.2465

Triad

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



31.0328, 36.5859, 14.4430



27.0088, 36.5859, 73.0625



48.5951, 36.5859, 47.8309

Complementary

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



31.0328, 36.5859, 14.4430



14.7917, 11.8686, 38.5592

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.



44.9871, 36.5859, 69.1739



31.0328, 36.5859, 14.4430



32.2159, 36.5859, 86.5196

Square

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



31.0328, 36.5859, 14.4430



24.1220, 36.5859, 52.0261



38.8040, 36.5859, 84.9074



48.1741, 36.5859, 29.7160

Rectangle

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



31.0328, 36.5859, 14.4430



24.3616, 36.5859, 27.7867



38.8040, 36.5859, 84.9074



47.7963, 36.5859, 54.9446

Sweetspot

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



31.0337, 36.5876, 14.4438



63.3999, 69.3483, 57.9597



21.5009, 16.2757, 11.0256



13.7003, 15.0660, 12.0856



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.



31.0337, 36.5876, 14.4438



54.7903, 65.7422, 19.9513



24.1526, 33.0402, 14.1217



8.1097, 8.7546, 8.0517



21.4889, 26.7752, 4.0355



0.5335, 0.6570, 0.0987

Inverse Universe

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



14.7917, 11.8686, 38.5592



21.7417, 15.4216, 69.0558



19.7138, 14.4060, 38.7896



7.1648, 7.3176, 9.4531



5.4289, 2.1821, 28.1105



0.1425, 0.0585, 0.6844

Previews

White Background



This preview shows how the XYZ color 31.0328, 36.5859, 14.4430 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 31.0328, 36.5859, 14.4430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

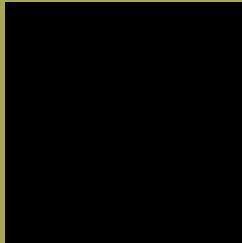
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0328, 36.5859, 14.4430

Background



This preview shows how black text looks on a background with the XYZ color 31.0328, 36.5859, 14.4430.



This preview shows how white text looks on a background with the XYZ color 31.0328, 36.5859,

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

31.0328, 36.5859, 14.4430

Protanopia

33.5593, 36.5536, 13.8811

Deuteranopia

37.1200, 36.3230, 14.7275



Tritanopia

36.9824, 36.6208, 43.6474

Trichromacy



Original Color

31.0328, 36.5859, 14.4430

Protanomaly

32.5904, 36.5808, 14.1472

Deuteranomaly

34.6237, 36.3020, 14.6333

Tritanomaly

34.2315, 36.2802, 30.0095

Monochromacy



Original Color

31.0328, 36.5859, 14.4430

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.5824, 34.9802, 26.9171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0328, 36.5859, 14.4430 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(164, 168, 87)` looks like.

```
.text, #text, p{  
    color:rgb(164, 168, 87)  
}
```

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(164, 168, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 168, 87) }
```

Border

The CSS property to change the border of an element to XYZ 31.0328, 36.5859, 14.4430 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(164, 168, 87) }
```


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

```
.border{ border-color:rgb(164, 168, 87) }
```

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

Here you see how a box with a 4 pixel rgb(164, 168, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 168, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 168, 87);  
box-shadow:4px 4px 4px 4px rgb(164, 168,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0328, 36.5859, 14.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 168, 87) }
```

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

```
.background{ background-color: rgb(164,  
168, 87) }
```

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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