

Converting Colors

XYZ(29.9344, 31.9240, 23.6540)

Have a look what the booklet for
XYZ(29.9344, 31.9240, 23.6540)
contains.

XYZ(29.9296, 31.9191, 23.6523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9296, 31.9191,
23.6523)**

Conversions

Conversions Part 1

Format	Color
Hex	A2997C
RGB	162, 153, 124
RGB Percent	64%, 60%, 49%
CMY	0.3647, 0.4000, 0.5137
CMYK	0.00, 0.06, 0.23, 0.36
HSL	46°, 17%, 56%
HSV	46°, 23%, 64%
XYZ	29.9296, 31.9191, 23.6523
YIQ	152.3850, 14.6730, -7.1110

Conversions

Conversions Part 2

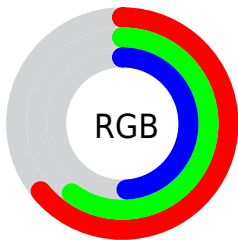
Format	Color
RYB	136, 162, 124
Decimal	10656124
CIELab	63.28, -1.54, 16.46
CIElCh	63, 16.528, 95.349
Yxy	31.9191, 0.3500, 0.3733
Android (android.graphics.Color)	4288846204 (0xFFA2997C)
YUV	152.3850, -13.9938, 8.4324
Hunter-Lab	56.4970, -4.3084, 14.7263

Details

The XYZ color **29.9296, 31.9191, 23.6523** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.2211, 23.6681, 37.5270**, and the grayscale version is **30.0663, 31.6321, 34.4473**.

A 20% lighter version of the original color is **58.8639, 62.5517, 50.5662**, and **12.4518, 13.3257, 8.5725** is the 20% darker color. If you saturate the color by 10%, you get **28.3708, 30.3083, 18.4867**, and if you desaturate by 10%, it is **31.6786, 33.6405, 29.7124**.

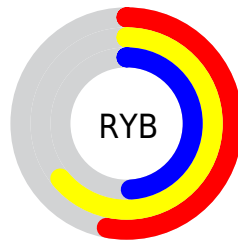
Distribution



Red (64%)

Green (60%)

Blue (49%)



Red (53%)

Yellow (64%)

Blue (49%)

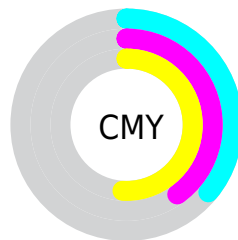


Cyan (0%)

Magenta (6%)

Yellow (23%)

Black (36%)



Cyan (36%)


Magenta (40%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9296, 31.9191, 23.6523 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 29.9296, 31.9191, 23.6523 by changing the saturation by 10% instead.


 29.9296, 31.9191,
23.6523


 29.9296, 31.9191,
23.6523


293.4919,
310.7506, 284.2876


 19.9330, 21.2997,
14.8661


 58.9382, 62.6842,
50.3989

 12.4543, 13.3433,
8.5799


 78.6809, 83.5988,
69.1964

 7.1283, 7.6653,
4.3751


 102.4030,
108.7138, 92.1680

 3.5895, 3.8816,
1.8333

130.4699,
138.4138, 119.7324

 1.4726, 1.6075,
0.4498

163.2468,
173.0831, 152.3079

 0.3071, 0.3627,
0.0000

201.0992,

 0.0000, 0.0000,

213.1060, 190.3133

0.0000

244.3925,
258.8670, 234.1670

■ 29.9296, 31.9191,
23.6523

■ 29.9296, 31.9191,
23.6523

■ 28.3708, 30.3083,
18.4867

■ 31.6786, 33.6405,
29.7124

■ 26.9912, 28.8001,
14.1704

■ 33.6232, 35.4715,
36.7055

■ 25.7827, 27.3920,
10.6571

■ 35.7715, 37.4169,
44.6700

■ 24.7352, 26.0798,
7.8953

■ 38.1305, 39.4798,
53.6418

■ 23.8378, 24.8586,
5.8274

■ 40.7068, 41.6630,
63.6548

■ 23.0776, 23.7230,
4.3876

■ 43.5067, 43.9694,
74.7413

■ 22.4395, 22.6667,
3.4971

■ 46.5363, 46.4016,
86.9323

■ 22.0639, 22.0086,
3.0852

■ 49.8013, 48.9623,
100.2575

■ 50.8315, 50.6636,
101.7077

Harmonies

Analogous

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



32.2116, 31.9191, 24.5089



29.9296, 31.9191, 23.6523



27.8618, 31.9191, 25.4520

Triad

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



29.9296, 31.9191, 23.6523



26.8873, 31.9191, 42.5710



34.5177, 31.9191, 40.2827

Complementary

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



29.9296, 31.9191, 23.6523



23.2211, 23.6681, 37.5270

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.



32.9570, 31.9191, 46.0855



29.9296, 31.9191, 23.6523



28.5388, 31.9191, 47.5187

Square

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



29.9296, 31.9191, 23.6523



26.1628, 31.9191, 35.9431



30.7504, 31.9191, 48.8792



34.9357, 31.9191, 33.5923

Rectangle

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



29.9296, 31.9191, 23.6523



26.8589, 31.9191, 28.0676



30.7504, 31.9191, 48.8792



34.1056, 31.9191, 42.4271

Sweetspot

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



29.9304, 31.9205, 23.6530



59.7003, 63.1500, 61.7666



26.3765, 23.8044, 25.5767



13.3641, 14.1417, 13.7127



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.



29.9304, 31.9205, 23.6530



52.8573, 56.4396, 37.9807



29.6013, 34.0198, 24.0755



7.5067, 7.9517, 7.5193



17.4167, 17.4073, 2.4420



0.3987, 0.4312, 0.0622

Inverse Universe

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



23.2211, 23.6681, 37.5270



38.5735, 38.8733, 67.5264



23.4816, 22.0517, 37.2013



6.8303, 7.1196, 8.9173



5.7217, 3.2228, 27.2503



0.1538, 0.1349, 0.5838

Previews

White Background



This preview shows how the XYZ color 29.9296, 31.9191, 23.6523 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 29.9296, 31.9191, 23.6523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

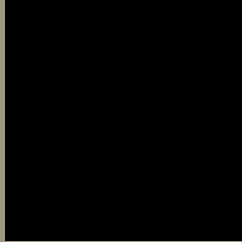
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9296, 31.9191, 23.6523

Background



This preview shows how black text looks on a background with the XYZ color 29.9296, 31.9191, 23.6523.



This preview shows how white text looks on a background with the XYZ color 29.9296, 31.9191,

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

29.9296, 31.9191, 23.6523

Protanopia

29.9296, 31.9191, 23.6523

Deuteranopia

32.4955, 31.8131, 23.8299



Tritanopia

32.6610, 31.8249, 37.6791

Trichromacy



Original Color

29.9296, 31.9191, 23.6523

Protanomaly

29.9296, 31.9191, 23.6523

Deuteranomaly

31.4624, 31.7462, 23.8714

Tritanomaly

31.6899, 31.9186, 32.0944

Monochromacy



Original Color

29.9296, 31.9191, 23.6523

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8210, 31.4774, 30.0952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9296, 31.9191, 23.6523 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(162, 153, 124)` looks like.

```
.text, #text, p{  
    color:rgb(162, 153, 124)  
}
```

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(162, 153, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 153, 124) }
```

Border

The CSS property to change the border of an element to XYZ 29.9296, 31.9191, 23.6523 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(162, 153, 124) }
```


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

```
.border{ border-color:rgb(162, 153, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 153, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 153, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 153, 124);  
box-shadow:4px 4px 4px 4px rgb(162, 153,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9296, 31.9191, 23.6523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 153, 124) }
```

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

```
.background{ background-color: rgb(162,  
153, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor