

Converting Colors

XYZ(29.8501, 37.2934, 31.2163)

Have a look what the booklet for
XYZ(29.8501, 37.2934, 31.2163)
contains.

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Color

**XYZ(29.8501, 37.2934,
31.2163)**

Conversions

Conversions Part 1

Format	Color
Hex	86AE8E
RGB	134, 174, 142
RGB Percent	53%, 68%, 56%
CMY	0.4745, 0.3176, 0.4431
CMYK	0.23, 0.00, 0.18, 0.32
HSL	132°, 20%, 60%
HSV	132°, 23%, 68%
XYZ	29.8501, 37.2934, 31.2163
YIQ	158.3920, -13.5680, -18.4320

Conversions

Conversions Part 2

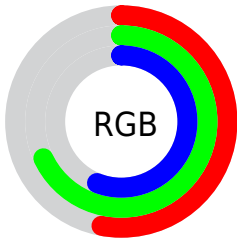
Format	Color
RYB	134, 167, 174
Decimal	8826510
CIELab	67.50, -20.03, 12.08
CIElCh	67, 23.396, 148.907
Yxy	37.2934, 0.3035, 0.3792
Android (android.graphics.Color)	4287016590 (0xFF86AE8E)
YUV	158.3920, -8.0813, -21.3918
Hunter-Lab	61.0683, -19.6190, 12.4406

Details

The XYZ color **29.8501, 37.2934, 31.2163** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8649, 28.8030, 39.9055**, and the grayscale version is **32.7183, 34.4222, 37.4857**.

A 20% lighter version of the original color is **58.9997, 71.2705, 62.8715**, and **12.3364, 16.2865, 12.6186** is the 20% darker color. If you saturate the color by 10%, you get **26.3210, 35.5885, 25.9321**, and if you desaturate by 10%, it is **33.9681, 39.2890, 37.2111**.

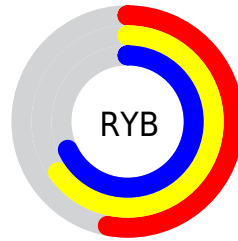
Distribution



Red (53%)

Green (68%)

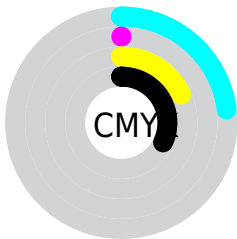
Blue (56%)



Red (53%)

Yellow (65%)

Blue (68%)

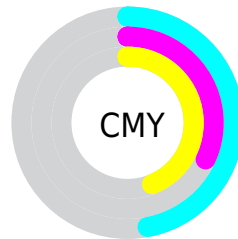


Cyan (23%)

Magenta (0%)

Yellow (18%)

Black (32%)



Cyan (47%)


Magenta (32%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8501, 37.2934, 31.2163 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 29.8501, 37.2934, 31.2163 by changing the saturation by 10% instead.


 29.8501, 37.2934,
31.2163


 29.8501, 37.2934,
31.2163


293.1275,
334.5790, 321.9156


 19.8723, 25.4347,
20.5038


 58.8133, 71.0238,
62.6640

 12.4100, 16.4012,
12.5741


 78.5294, 93.6643,
84.2363

 7.0977, 9.8085,
7.0086


 102.2224,
120.6676, 110.2655

 3.5702, 5.2722,
3.3890

130.2576,
152.4180, 141.1703

 1.4620, 2.4078,
1.2965

163.0004,
189.3000, 177.3692

 0.2997, 0.8299,
0.0589

200.8160,

 0.0000, 0.0000,

231.6979, 219.2806

0.0000

244.0700,
279.9961, 267.3233

■ 29.8501, 37.2934,
31.2163

■ 29.8501, 37.2934,
31.2163

■ 26.3210, 35.5885,
25.9321

■ 33.9681, 39.2890,
37.2111

■ 23.3507, 34.1560,
21.3296

■ 38.6973, 41.5830,
43.9389

■ 20.9110, 32.9831,
17.3819

■ 44.0626, 44.1887,
51.4242

■ 18.9698, 32.0540,
14.0590

■ 50.0864, 47.1174,
59.6896

■ 17.4918, 31.3509,
11.3288

■ 56.7903, 50.3796,
68.7568

■ 16.4365, 30.8539,
9.1562

■ 64.1946, 53.9855,
78.6466

■ 15.7563, 30.5391,
7.5025

■ 72.0225, 57.7918,
89.3653

■ 15.4371, 30.3936,
6.6274

■ 74.1646, 58.6486,
100.6453

■ 74.4267, 58.7535,
102.0256

Harmonies

Analogous

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



32.2086, 37.2934, 25.6241



29.8501, 37.2934, 31.2163



28.9743, 37.2934, 40.2298

Triad

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



29.8501, 37.2934, 31.2163



35.3146, 37.2934, 63.7905



41.8486, 37.2934, 31.7684

Complementary

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



29.8501, 37.2934, 31.2163



32.8649, 28.8030, 39.9055

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.



42.8166, 37.2934, 40.9849



29.8501, 37.2934, 31.2163



38.8939, 37.2934, 60.5195

Square

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



29.8501, 37.2934, 31.2163



31.9949, 37.2934, 60.0282



41.7015, 37.2934, 51.7122



39.1373, 37.2934, 25.9029

Rectangle

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



29.8501, 37.2934, 31.2163



29.3005, 37.2934, 47.3650



41.7015, 37.2934, 51.7122



42.3964, 37.2934, 34.5230

Sweetspot

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



29.8511, 37.2950, 31.2171



66.5059, 73.6364, 74.4876



35.3066, 40.1743, 28.4484



14.6704, 16.3125, 16.3976



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8511, 37.2950, 31.2171



50.4901, 65.8791, 51.1875



31.4312, 37.9270, 39.5379



7.9676, 8.9646, 8.8542



11.2138, 22.0508, 4.8994



0.3305, 0.6209, 0.2342

Inverse Universe

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



32.8649, 28.8030, 39.9055



57.0003, 47.5282, 69.9498



31.2222, 28.1459, 31.2548



8.2674, 8.1202, 9.7189



16.0728, 7.8917, 18.5607



0.4644, 0.2264, 0.6071

Previews

White Background



This preview shows how the XYZ color 29.8501, 37.2934, 31.2163 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 29.8501, 37.2934, 31.2163 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 29.8501, 37.2934, 31.2163

Background



This preview shows how black text looks on a background with the XYZ color 29.8501, 37.2934, 31.2163.



This preview shows how white text looks on a background with the XYZ color 29.8501, 37.2934,

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

29.8501, 37.2934, 31.2163

Protanopia

35.0244, 37.2413, 29.0092

Deuteranopia

37.5874, 36.9372, 31.9366



Tritanopia

33.4306, 37.0454, 49.6445

Trichromacy



Original Color

29.8501, 37.2934, 31.2163

Protanomaly

32.9609, 37.2403, 29.8770

Deuteranomaly

34.2459, 36.7800, 31.6799

Tritanomaly

31.8310, 36.9427, 42.0122

Monochromacy



Original Color

29.8501, 37.2934, 31.2163

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3374, 35.2075, 34.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8501, 37.2934, 31.2163 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(134, 174, 142)` looks like.

```
.text, #text, p{  
    color:rgb(134, 174, 142)  
}
```

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(134, 174, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 174, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.8501, 37.2934, 31.2163 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(134, 174, 142) }
```


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

```
.border{ border-color:rgb(134, 174, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 174, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 174, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 174, 142);  
box-shadow:4px 4px 4px 4px rgb(134, 174,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8501, 37.2934, 31.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 174, 142) }
```

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

```
.background{ background-color: rgb(134,  
174, 142) }
```

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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