

Converting Colors

XYZ(29.5626, 37.2587, 27.4262)

Have a look what the booklet for
XYZ(29.5626, 37.2587, 27.4262)
contains.

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Color

**XYZ(29.6174, 37.2564,
27.4600)**

Conversions

Conversions Part 1

Format	Color
Hex	89AE84
RGB	137, 174, 132
RGB Percent	54%, 68%, 52%
CMY	0.4627, 0.3176, 0.4823
CMYK	0.21, 0.00, 0.24, 0.32
HSL	113°, 21%, 60%
HSV	113°, 24%, 68%
XYZ	29.6174, 37.2564, 27.4600
YIQ	158.1490, -8.5700, -20.9060

Conversions

Conversions Part 2

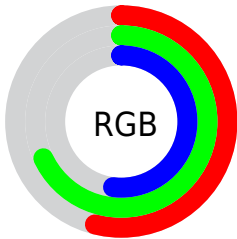
Format	Color
RYB	132, 174, 169
Decimal	9023108
CIELab	67.47, -20.80, 17.55
CIElCh	67, 27.217, 139.842
Yxy	37.2564, 0.3140, 0.3949
Android (android.graphics.Color)	4287213188 (0xFF89AE84)
YUV	158.1490, -12.8915, -18.5477
Hunter-Lab	61.0380, -20.2032, 16.0530

Details

The XYZ color **29.6174, 37.2564, 27.4600** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2551, 27.9947, 43.7498**, and the grayscale version is **32.6273, 34.3264, 37.3815**.

A 20% lighter version of the original color is **58.5396, 71.1728, 56.5513**, and **12.1981, 16.2624, 10.4787** is the 20% darker color. If you saturate the color by 10%, you get **26.1879, 35.6158, 21.5939**, and if you desaturate by 10%, it is **33.6045, 39.1637, 34.3905**.

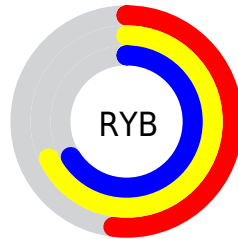
Distribution



Red (54%)

Green (68%)

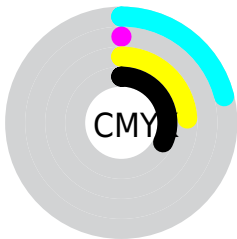
Blue (52%)



Red (52%)

Yellow (68%)

Blue (66%)

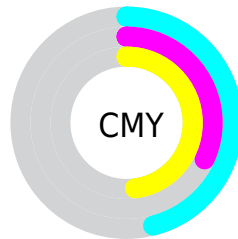


Cyan (21%)

Magenta (0%)

Yellow (24%)

Black (32%)



Cyan (46%)


Magenta (32%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6174, 37.2564, 27.4600 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 29.6174, 37.2564, 27.4600 by changing the saturation by 10% instead.


 29.6174, 37.2564,
27.4600


 29.6174, 37.2564,
27.4600


292.0589,
334.4193, 303.7078


 19.6950, 25.4061,
17.6835


 58.4474, 70.9670,
56.6338

 12.2805, 16.3799,
10.5559


 78.0857, 93.5960,
76.8682

 7.0086, 9.7933,
5.6587


 101.6933,
120.5867, 101.4257

 3.5138, 5.2622,
2.5733

129.6356,
152.3234, 130.7248

 1.4310, 2.4019,
0.8786

162.2780,
189.1907, 165.1840

 0.2781, 0.8269,
0.0000

199.9857,

 0.0000, 0.0000,

231.5728, 205.2219

0.0000

243.1243,
279.8542, 251.2570

■ 29.6174, 37.2564,
27.4600

■ 29.6174, 37.2564,
27.4600

■ 26.1879, 35.6158,
21.5939

■ 33.6045, 39.1637,
34.3905

■ 23.2884, 34.2256,
16.7372

■ 38.1696, 41.3438,
42.4319

■ 20.8930, 33.0746,
12.8337

■ 43.3356, 43.8087,
51.6308

■ 18.9727, 32.1493,
9.8207

■ 49.1232, 46.5682,
62.0305

■ 17.4953, 31.4348,
7.6280

■ 55.5523, 49.6314,
73.6722

■ 16.4249, 30.9140,
6.1749

■ 62.6417, 53.0075,
86.5948

■ 15.7192, 30.5674,
5.3645

■ 70.4096, 56.7048,
100.8358

■ 15.4399, 30.4299,
5.0598

■ 74.4268, 58.7536,
102.0256

Harmonies

Analogous

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



32.7527, 37.2564, 22.5397



29.6174, 37.2564, 27.4600



28.0751, 37.2564, 36.6408

Triad

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



29.6174, 37.2564, 27.4600



34.0126, 37.2564, 67.6996



43.5210, 37.2564, 33.2445

Complementary

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



29.6174, 37.2564, 27.4600



32.2551, 27.9947, 43.7498

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.



43.9251, 37.2564, 44.7617



29.6174, 37.2564, 27.4600



38.2095, 37.2564, 66.2945

Square

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



29.6174, 37.2564, 27.4600



30.4772, 37.2564, 60.8209



41.9150, 37.2564, 57.2922



40.8506, 37.2564, 25.3958

Rectangle

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



29.6174, 37.2564, 27.4600



28.0685, 37.2564, 44.6286



41.9150, 37.2564, 57.2922



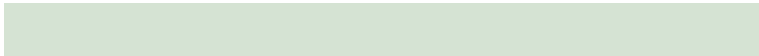
43.9340, 37.2564, 36.7575

Sweetspot

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



29.6184, 37.2580, 27.4608



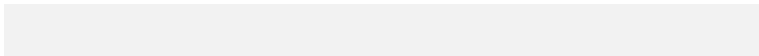
66.6486, 73.7565, 72.3934



35.6986, 38.8196, 27.4418



14.7044, 16.3411, 15.8979



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.



29.6184, 37.2580, 27.4608



50.2556, 65.9202, 43.8556



29.9509, 37.2985, 33.3904



7.9898, 8.9833, 8.5262



11.2260, 22.0843, 3.6710



0.3396, 0.6284, 0.1034

Inverse Universe

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



32.2551, 27.9947, 43.7498



55.8752, 46.1583, 78.6014



31.9315, 27.9915, 36.3405



8.2418, 8.0990, 10.0816



15.1423, 7.1660, 29.6296



0.4471, 0.2127, 0.8255

Previews

White Background



This preview shows how the XYZ color 29.6174, 37.2564, 27.4600 looks on a white background.

Color Contrast Check

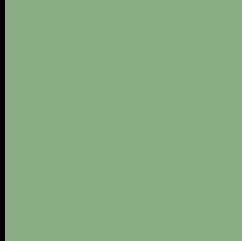
Large Text (above 18pt) WCAG AA × Fail

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 29.6174, 37.2564, 27.4600 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 29.6174, 37.2564, 27.4600

Background



This preview shows how black text looks on a background with the XYZ color 29.6174, 37.2564, 27.4600.



This preview shows how white text looks on a background with the XYZ color 29.6174, 37.2564,

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

29.6174, 37.2564, 27.4600

Protanopia

34.7854, 37.1972, 25.4251

Deuteranopia

37.8352, 37.1501, 28.0982



Tritanopia

34.0202, 37.3612, 49.1344

Trichromacy



Original Color

29.6174, 37.2564, 27.4600

Protanomaly

32.6630, 37.1673, 26.2214

Deuteranomaly

34.3731, 36.9301, 27.8708

Tritanomaly

32.1409, 37.1446, 40.1259

Monochromacy



Original Color

29.6174, 37.2564, 27.4600

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.2780, 35.2049, 33.5805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6174, 37.2564, 27.4600 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(137, 174, 132)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 132)  
}
```

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(137, 174, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 132) }
```

Border

The CSS property to change the border of an element to XYZ 29.6174, 37.2564, 27.4600 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(137, 174, 132) }
```


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

```
.border{ border-color:rgb(137, 174, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 174, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 132);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6174, 37.2564, 27.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 132) }
```

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

```
.background{ background-color: rgb(137,  
174, 132) }
```

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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