

Converting Colors

XYZ(29.1842, 36.9600, 36.0045)

Have a look what the booklet for
XYZ(29.1842, 36.9600, 36.0045)
contains.

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Color

**XYZ(29.1372, 36.8162,
36.1424)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAE9A
RGB	123, 174, 154
RGB Percent	48%, 68%, 60%
CMY	0.5176, 0.3176, 0.3961
CMYK	0.29, 0.00, 0.11, 0.32
HSL	156°, 24%, 58%
HSV	156°, 29%, 68%
XYZ	29.1372, 36.8162, 36.1424
YIQ	156.4710, -23.9760, -17.0320

Conversions

Conversions Part 2

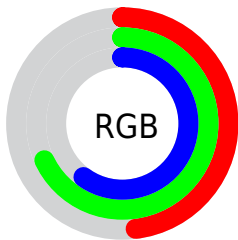
Format	Color
RYB	123, 155, 174
Decimal	8105626
CIELab	67.14, -21.22, 4.86
CIElCh	67, 21.771, 167.089
Yxy	36.8162, 0.2854, 0.3606
Android (android.graphics.Color)	4286295706 (0xFF7BAE9A)
YUV	156.4710, -1.2182, -29.3541
Hunter-Lab	60.6764, -20.4667, 7.1568

Details

The XYZ color **29.1372, 36.8162, 36.1424** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **29.4978, 25.1487, 29.2877**, and the grayscale version is **31.8243, 33.4816, 36.4615**.

A 20% lighter version of the original color is **57.8134, 70.4948, 70.2343**, and **11.9580, 16.0317, 15.2961** is the 20% darker color. If you saturate the color by 10%, you get **26.3137, 35.4254, 33.1276**, and if you desaturate by 10%, it is **32.4375, 38.4510, 39.3498**.

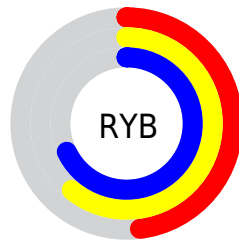
Distribution



Red (48%)

Green (68%)

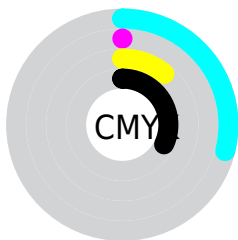
Blue (60%)



Red (48%)

Yellow (61%)

Blue (68%)

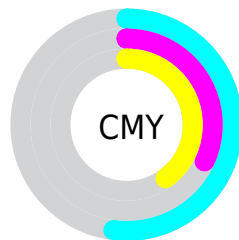


Cyan (29%)

Magenta (0%)

Yellow (11%)

Black (32%)



Cyan (52%)

Magenta (32%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1372, 36.8162, 36.1424 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 29.1372, 36.8162, 36.1424 by changing the saturation by 10% instead.

■ 29.1372, 36.8162,
36.1424

■ 29.1372, 36.8162,
36.1424

289.8443,
332.5141, 344.6387

■ 19.3294, 25.0652,
24.2536

■ 57.6910, 70.2900,
70.4233

■ 12.0140, 16.1256,
15.3079

■ 77.1678, 92.7816,
93.6525

■ 6.8255, 9.6131,
8.8868

■ 100.5984,
119.6222, 121.4990

■ 3.3985, 5.1432,
4.5716

128.3480,
151.1962, 154.3812

■ 1.3679, 2.3315,
1.9439

160.7820,
187.8880, 192.7178

■ 0.2332, 0.7903,
0.5204

198.2658,

■ 0.0000, 0.0000,

230.0820, 236.9272

0.0000

241.1648,
278.1626, 287.4280

■ 29.1372, 36.8162,
36.1424

■ 29.1372, 36.8162,
36.1424

■ 26.3137, 35.4254,
33.1276

■ 32.4375, 38.4510,
39.3498

■ 23.9400, 34.2619,
30.2991

■ 36.2338, 40.3367,
42.7510

■ 21.9910, 33.3137,
27.6535

■ 40.5478, 42.4855,
46.3505

■ 20.4376, 32.5659,
25.1866

■ 45.3992, 44.9073,
50.1518

■ 19.2472, 32.0017,
22.8938

■ 50.8064, 47.6118,
54.1583

■ 18.3814, 31.6015,
20.7703

■ 56.7871, 50.6079,
58.3733

■ 17.7654, 31.3267,
18.8094

■ 63.3582, 53.9042,
62.8001

■ 17.7259, 31.3091,
18.6798

■ 67.8353, 56.1169,
67.3153

■ 68.6964, 56.4614,
71.8501

Harmonies

Analogous

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



30.5264, 36.8162, 28.8923



29.1372, 36.8162, 36.1424



29.2438, 36.8162, 45.6969

Triad

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



29.1372, 36.8162, 36.1424



36.9004, 36.8162, 60.2022



39.5170, 36.8162, 28.1421

Complementary

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



29.1372, 36.8162, 36.1424



29.4978, 25.1487, 29.2877

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.



41.4495, 36.8162, 34.9554



29.1372, 36.8162, 36.1424



39.8746, 36.8162, 53.8528

Square

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



29.1372, 36.8162, 36.1424



33.5869, 36.8162, 60.6553



41.5844, 36.8162, 44.3078



36.4371, 36.8162, 24.7890

Rectangle

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



29.1372, 36.8162, 36.1424



30.1479, 36.8162, 52.1409



41.5844, 36.8162, 44.3078



40.3306, 36.8162, 30.0499

Sweetspot

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



29.1382, 36.8177, 36.1432



65.8331, 73.2191, 77.6389



30.1095, 37.5792, 24.4060



14.3998, 16.1582, 17.0546



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.



29.1382, 36.8177, 36.1432



49.5218, 65.1381, 62.0667



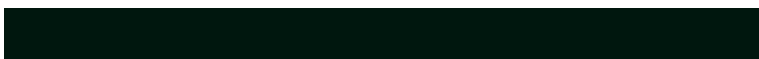
29.9790, 35.6072, 45.3391



8.1012, 9.0181, 9.5581



12.8859, 22.7196, 13.7048



0.3843, 0.6424, 0.5174

Inverse Universe

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



29.4978, 25.1487, 29.2877



50.2805, 40.5928, 47.6581



28.7641, 25.8941, 22.2215



8.1304, 8.0654, 8.9977



13.4502, 6.8426, 4.7501



0.4015, 0.2013, 0.2762

Previews

White Background



This preview shows how the XYZ color 29.1372, 36.8162, 36.1424 looks on a white background.

Color Contrast Check

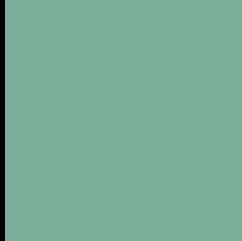
Large Text (above 18pt) WCAG AA × Fail

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 29.1372, 36.8162, 36.1424 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

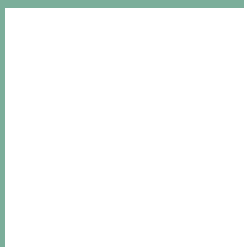
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1372, 36.8162, 36.1424

Background



This preview shows how black text looks on a background with the XYZ color 29.1372, 36.8162, 36.1424.



This preview shows how white text looks on a background with the XYZ color 29.1372, 36.8162,

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

29.1372, 36.8162, 36.1424

Protanopia

34.6278, 36.4138, 33.2205

Deuteranopia

37.1988, 36.3720, 36.9582



Tritanopia

31.9752, 36.8355, 50.2244

Trichromacy



Original Color

29.1372, 36.8162, 36.1424

Protanomaly

32.0901, 36.1498, 34.1404

Deuteranomaly

33.5951, 36.0683, 36.6437

Tritanomaly

30.7617, 36.6164, 44.4761

Monochromacy



Original Color

29.1372, 36.8162, 36.1424

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5152, 34.4902, 36.0593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1372, 36.8162, 36.1424 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(123, 174, 154)` looks like.

```
.text, #text, p{  
    color:rgb(123, 174, 154)  
}
```

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(123, 174, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 174, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.1372, 36.8162, 36.1424 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(123, 174, 154) }
```


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

```
.border{ border-color:rgb(123, 174, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 174, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 174, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 174, 154);  
box-shadow:4px 4px 4px 4px rgb(123, 174,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1372, 36.8162, 36.1424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 174, 154) }
```

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

```
.background{ background-color: rgb(123,  
174, 154) }
```

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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