

Converting Colors

XYZ(29.8137, 32.0692, 37.9933)

Have a look what the booklet for
XYZ(29.8137, 32.0692, 37.9933)
contains.

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Color

**XYZ(29.7436, 32.0005,
37.8668)**

Conversions

Conversions Part 1

Format	Color
Hex	919BA0
RGB	145, 155, 160
RGB Percent	57%, 61%, 63%
CMY	0.4314, 0.3921, 0.3725
CMYK	0.09, 0.03, 0.00, 0.37
HSL	200°, 7%, 60%
HSV	200°, 9%, 63%
XYZ	29.7436, 32.0005, 37.8668
YIQ	152.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

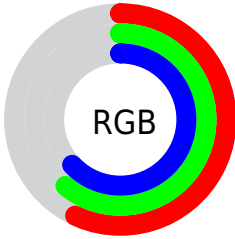
Format	Color
RYB	145, 151, 160
Decimal	9542560
CIELab	63.34, -2.54, -3.85
CIELCh	63, 4.609, 236.601
Yxy	32.0005, 0.2986, 0.3213
Android (android.graphics.Color)	4287732640 (0xFF919BA0)
YUV	152.5800, 3.6581, -6.6477
Hunter-Lab	56.5690, -5.1416, -0.0899

Details

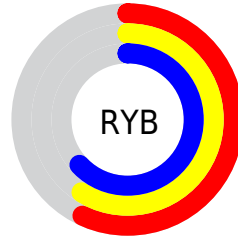
The XYZ color **29.7436, 32.0005, 37.8668** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5146, 31.3305, 31.2278**, and the grayscale version is **30.0836, 31.6503, 34.4672**.

A 20% lighter version of the original color is **58.6194, 62.6493, 73.2929**, and **12.4299, 13.4377, 16.4066** is the 20% darker color. If you saturate the color by 10%, you get **26.2529, 28.9136, 37.4555**, and if you desaturate by 10%, it is **33.6724, 35.3731, 38.3112**.

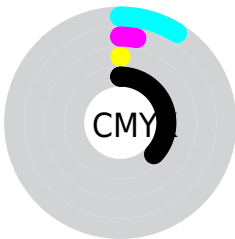
Distribution



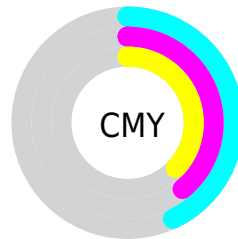
- Red (57%)
- Green (61%)
- Blue (63%)



- Red (57%)
- Yellow (59%)
- Blue (63%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (37%)



- Cyan (43%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7436, 32.0005, 37.8668 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 29.7436, 32.0005, 37.8668 by changing the saturation by 10% instead.

■ 29.7436, 32.0005,
37.8668

■ 29.7436, 32.0005,
37.8668

292.6388,
311.1215, 352.3293

■ 19.7912, 21.3619,
25.5783

■ 58.6459, 62.8119,
73.1051

■ 12.3507, 13.3888,
16.2855

■ 78.3264, 83.7534,
96.8920

■ 7.0569, 7.6968,
9.5699

101.9804,
108.8981, 125.3487

■ 3.5444, 3.9016,
5.0129

129.9731,
138.6302, 158.8938

■ 1.4477, 1.6186,
2.1959

162.6700,
173.3342, 197.9459

■ 0.2899, 0.3701,
0.6720

200.4363,

■ 0.0000, 0.0000,

213.3945, 242.9235

0.0000

243.6374,
259.1955, 294.2451

■ 29.7436, 32.0005,
37.8668

■ 29.7436, 32.0005,
37.8668

■ 26.2529, 28.9136,
37.4555

■ 33.6724, 35.3731,
38.3112

■ 23.1805, 26.0990,
37.0741

■ 38.0526, 39.0364,
38.7874

■ 20.5093, 23.5478,
36.7225

■ 42.9003, 43.0004,
39.2970

■ 18.2195, 21.2492,
36.3995

■ 48.2300, 47.2730,
39.8409

■ 16.2900, 19.1913,
36.1040

■ 54.0554, 51.8623,
40.4196

■ 14.6970, 17.3613,
35.8347

■ 60.3898, 56.7756,
41.0341

■ 13.4140, 15.7445,
35.5902

■ 66.5054, 61.6384,
41.6504

■ 12.4099, 14.3242,
35.3690

■ 67.6998, 64.0273,
42.0486

■ 11.6180, 13.0650,
35.1677

■ 68.9372, 66.5019,
42.4610

Harmonies

Analogous

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



29.3292, 32.0005, 36.4440



29.7436, 32.0005, 37.8668



30.3427, 32.0005, 38.4783

Triad

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



29.7436, 32.0005, 37.8668



31.6597, 32.0005, 35.0523



29.8682, 32.0005, 31.7880

Complementary

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



29.7436, 32.0005, 37.8668



30.5146, 31.3305, 31.2278

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.



30.4885, 32.0005, 31.4444



29.7436, 32.0005, 37.8668



31.5284, 32.0005, 33.2898

Square

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



29.7436, 32.0005, 37.8668



31.4537, 32.0005, 36.8179



31.0975, 32.0005, 31.9848



29.4004, 32.0005, 32.9402

Rectangle

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



29.7436, 32.0005, 37.8668



30.7682, 32.0005, 38.3283



31.0975, 32.0005, 31.9848



30.0655, 32.0005, 31.5759

Sweetspot

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



29.7445, 32.0018, 37.8675



58.4177, 61.9111, 69.2576



29.7334, 33.3559, 33.6206



12.6889, 13.4727, 15.1754



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.7445, 32.0018, 37.8675



52.7833, 57.0369, 68.6138



28.5736, 29.6599, 37.4772



6.6355, 7.1367, 8.4345



9.0549, 10.2014, 27.3991



0.1991, 0.2568, 0.5023

Inverse Universe

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



30.5398, 30.0917, 35.2105



54.4966, 52.9671, 62.8792



31.7079, 33.7171, 31.6256



6.8101, 6.7170, 7.8512



13.3687, 6.6521, 11.4585



0.2578, 0.1265, 0.3038

Previews

White Background



This preview shows how the XYZ color 29.7436, 32.0005, 37.8668 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 29.7436, 32.0005, 37.8668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

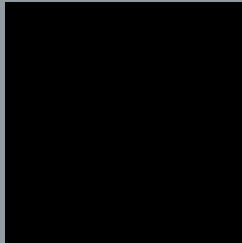
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

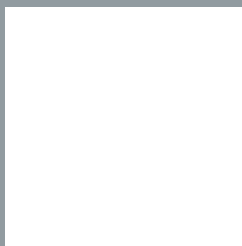
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7436, 32.0005, 37.8668

Background



This preview shows how black text looks on a background with the XYZ color 29.7436, 32.0005, 37.8668.



This preview shows how white text looks on a background with the XYZ color 29.7436, 32.0005,

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

29.7436, 32.0005, 37.8668

Protanopia

30.7262, 31.7951, 36.8654

Deuteranopia

32.4903, 31.9606, 38.1748



Tritanopia

30.2926, 31.9754, 40.6517

Trichromacy



Original Color

29.7436, 32.0005, 37.8668

Protanomaly

30.4117, 31.8650, 37.3486

Deuteranomaly

31.4043, 31.8745, 38.2154

Tritanomaly

30.1105, 31.9025, 39.6928

Monochromacy



Original Color

29.7436, 32.0005, 37.8668

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1340, 31.9955, 36.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7436, 32.0005, 37.8668 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(145, 155, 160)` looks like.

```
.text, #text, p{  
    color:rgb(145, 155, 160)  
}
```

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(145, 155, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 155, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.7436, 32.0005, 37.8668 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(145, 155, 160) }
```


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

```
.border{ border-color:rgb(145, 155, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 155, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 155, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 155, 160);  
box-shadow:4px 4px 4px 4px rgb(145, 155,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7436, 32.0005, 37.8668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 155, 160) }
```

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

```
.background{ background-color: rgb(145,  
155, 160) }
```

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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