

Converting Colors

XYZ(29.6089, 32.0027, 30.1752)

Have a look what the booklet for
XYZ(29.6089, 32.0027, 30.1752)
contains.

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Color

**XYZ(29.7407, 32.1680,
30.2327)**

Conversions

Conversions Part 1

Format	Color
Hex	999B8E
RGB	153, 155, 142
RGB Percent	60%, 61%, 56%
CMY	0.4000, 0.3921, 0.4431
CMYK	0.01, 0.00, 0.08, 0.39
HSL	69°, 6%, 58%
HSV	69°, 8%, 61%
XYZ	29.7407, 32.1680, 30.2327
YIQ	152.9200, 2.9810, -4.4670

Conversions

Conversions Part 2

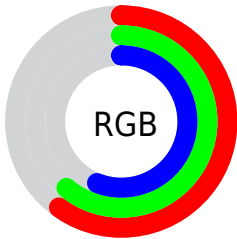
Format	Color
RYB	142, 155, 144
Decimal	10066830
CIELab	63.48, -3.14, 6.56
CIELCh	63, 7.274, 115.607
Yxy	32.1680, 0.3228, 0.3491
Android (android.graphics.Color)	4288256910 (0xFF999B8E)
YUV	152.9200, -5.3836, 0.0702
Hunter-Lab	56.7168, -5.6541, 8.0975

Details

The XYZ color **29.7407, 32.1680, 30.2327** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.0922, 27.6427, 34.9197**, and the grayscale version is **30.2660, 31.8422, 34.6761**.

A 20% lighter version of the original color is **58.4964, 62.8518, 61.2731**, and **12.3616, 13.4981, 12.0791** is the 20% darker color. If you saturate the color by 10%, you get **28.2111, 31.5056, 24.5028**, and if you desaturate by 10%, it is **31.4430, 32.9026, 36.8168**.

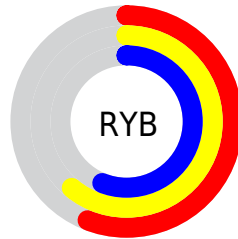
Distribution



Red (60%)

Green (61%)

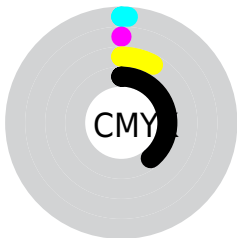
Blue (56%)



Red (56%)

Yellow (61%)

Blue (56%)

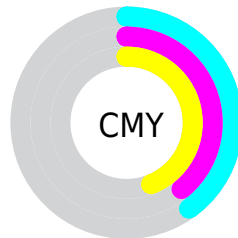


Cyan (1%)

Magenta (0%)

Yellow (8%)

Black (39%)



Cyan (40%)

Magenta (39%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7407, 32.1680, 30.2327 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 29.7407, 32.1680, 30.2327 by changing the saturation by 10% instead.

■ 29.7407, 32.1680,
30.2327

■ 29.7407, 32.1680,
30.2327

292.6255,
311.8838, 317.2286

■ 19.7889, 21.4899,
19.7617

■ 58.6413, 63.0744,
61.0953

■ 12.3491, 13.4825,
12.0396

■ 78.3209, 84.0714,
82.3241

■ 7.0558, 7.7617,
6.6478

101.9738,
109.2768, 107.9758

■ 3.5436, 3.9428,
3.1677

129.9654,
139.0750, 138.4691

■ 1.4474, 1.6416,
1.1809

162.6610,
173.8504, 174.2225

■ 0.2896, 0.3854,
0.0000

200.4259,

■ 0.0000, 0.0000,

213.9874, 215.6545

0.0000

243.6257,
259.8705, 263.1837

■ 29.7407, 32.1680,
30.2327

■ 29.7407, 32.1680,
30.2327

■ 28.2111, 31.5056,
24.5028

■ 31.4430, 32.9026,
36.8168

■ 26.8447, 30.9086,
19.5901

■ 33.3216, 33.7077,
44.2861

■ 25.6355, 30.3754,
15.4579

■ 35.3835, 34.5871,
52.6724

■ 24.5756, 29.9030,
12.0659

■ 37.6341, 35.5431,
62.0054

■ 23.6566, 29.4880,
9.3702

■ 40.0791, 36.5779,
72.3135

■ 22.8694, 29.1266,
7.3223

■ 42.7236, 37.6936,
83.6237

■ 22.2033, 28.8148,
5.8673

■ 45.5727, 38.8922,
95.9623

■ 21.6464, 28.5476,
4.9415

■ 46.8081, 39.4464,
99.7546

■ 21.1749, 28.3156,
4.4211

■ 47.3373, 39.7192,
99.7794

Harmonies

Analogous

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



30.7241, 32.1680, 29.7535



29.7407, 32.1680, 30.2327



28.9956, 32.1680, 31.9685

Triad

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



29.7407, 32.1680, 30.2327



29.4878, 32.1680, 39.8325



32.5579, 32.1680, 35.4544

Complementary

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



29.7407, 32.1680, 30.2327



27.0922, 27.6427, 34.9197

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.



32.2101, 32.1680, 38.2714



29.7407, 32.1680, 30.2327



30.4258, 32.1680, 40.8862

Square

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



29.7407, 32.1680, 30.2327



28.8519, 32.1680, 37.4918



31.4242, 32.1680, 40.2998



32.3648, 32.1680, 32.6697

Rectangle

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



29.7407, 32.1680, 30.2327



28.7269, 32.1680, 33.6573



31.4242, 32.1680, 40.2998



32.5002, 32.1680, 36.4302

Sweetspot

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



29.7416, 32.1694, 30.2334



54.8463, 58.2929, 60.2320



28.3668, 28.8538, 29.6659



12.3607, 13.1713, 13.4263



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.7416, 32.1694, 30.2334



52.7437, 57.3851, 52.1769



28.5570, 31.5587, 30.1780



6.6154, 7.1747, 6.6420



16.9736, 22.7261, 3.4920



0.2759, 0.3512, 0.0532

Inverse Universe

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



27.0922, 27.6427, 34.9197



47.0468, 47.6510, 62.2542



28.2511, 28.2401, 34.9740



5.9687, 6.0697, 7.7860



5.0743, 2.0670, 25.0392



0.0956, 0.0411, 0.3753

Previews

White Background



This preview shows how the XYZ color 29.7407, 32.1680, 30.2327 looks on a white background.

Color Contrast Check

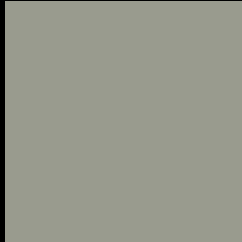
Large Text (above 18pt) WCAG AA × Fail

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 29.7407, 32.1680, 30.2327 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

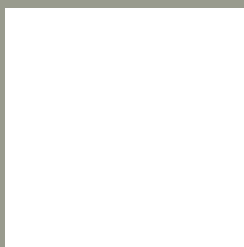
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7407, 32.1680, 30.2327

Background



This preview shows how black text looks on a background with the XYZ color 29.7407, 32.1680, 30.2327.



This preview shows how white text looks on a background with the XYZ color 29.7407, 32.1680,

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

29.7407, 32.1680, 30.2327

Protanopia

30.4970, 32.0765, 29.7833

Deuteranopia

32.5611, 31.9336, 30.4343



Tritanopia

31.6394, 32.2047, 39.6705

Trichromacy



Original Color

29.7407, 32.1680, 30.2327

Protanomaly

30.2679, 32.2024, 29.8197

Deuteranomaly

31.5416, 32.1157, 30.5231

Tritanomaly

30.9096, 32.1513, 36.0292

Monochromacy



Original Color

29.7407, 32.1680, 30.2327

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1173, 32.0534, 33.0333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7407, 32.1680, 30.2327 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(153, 155, 142)` looks like.

```
.text, #text, p{  
    color:rgb(153, 155, 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(153, 155, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 155, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.7407, 32.1680, 30.2327 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(153, 155, 142) }
```


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

```
.border{ border-color:rgb(153, 155, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 155, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 155, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 155, 142);  
box-shadow:4px 4px 4px 4px rgb(153, 155,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7407, 32.1680, 30.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 155, 142) }
```

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

```
.background{ background-color: rgb(153,  
155, 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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