

Converting Colors

XYZ(27.5657, 32.8599, 9.7340)

Have a look what the booklet for
XYZ(27.5657, 32.8599, 9.7340)
contains.

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Color

**XYZ(27.5968, 32.7809,
9.7233)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA040
RGB	158, 160, 64
RGB Percent	62%, 63%, 25%
CMY	0.3804, 0.3725, 0.7490
CMYK	0.01, 0.00, 0.60, 0.37
HSL	61°, 43%, 44%
HSV	61°, 60%, 63%
XYZ	27.5968, 32.7809, 9.7233
YIQ	148.4580, 29.6240, -30.2800

Conversions

Conversions Part 2

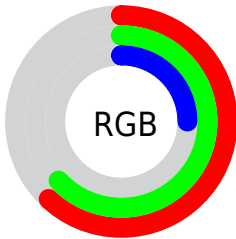
Format	Color
RYB	64, 160, 66
Decimal	10395712
CIELab	63.98, -13.67, 48.51
CIELCh	64, 50.395, 105.735
Yxy	32.7809, 0.3937, 0.4676
Android (android.graphics.Color)	4288585792 (0xFF9EA040)
YUV	148.4580, -41.6378, 8.3683
Hunter-Lab	57.2546, -14.1583, 30.0093

Details

The XYZ color **27.5968, 32.7809, 9.7233** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4263, 7.3638, 34.1315**, and the grayscale version is **28.5006, 29.9849, 32.6535**.

A 20% lighter version of the original color is **55.4772, 64.3089, 26.0119**, and **11.2104, 13.8935, 2.2632** is the 20% darker color. If you saturate the color by 10%, you get **27.1400, 32.5918, 7.6570**, and if you desaturate by 10%, it is **28.1860, 33.0254, 12.4790**.

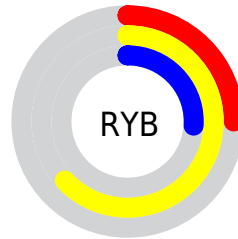
Distribution



Red (62%)

Green (63%)

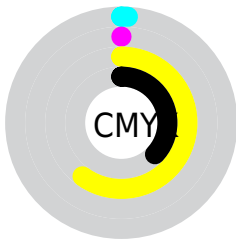
Blue (25%)



Red (25%)

Yellow (63%)

Blue (26%)

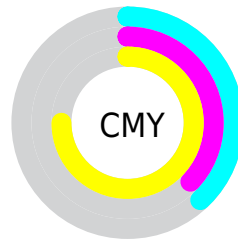


Cyan (1%)

Magenta (0%)

Yellow (60%)

Black (37%)



Cyan (38%)

Magenta (37%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5968, 32.7809, 9.7233 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 27.5968, 32.7809, 9.7233 by changing the saturation by 10% instead.

■ 27.5968, 32.7809,
9.7233

■ 27.5968, 32.7809,
9.7233

282.6504,
314.6613, 199.0982

■ 18.1608, 21.9587,
5.1127

■ 55.2532, 64.0333,
25.8734

■ 11.1659, 13.8265,
2.2536

■ 74.2044, 85.2323,
38.2499

■ 6.2467, 8.0001,
0.7051

■ 97.0580, 110.6589,
54.0522

■ 3.0377, 4.0950,
0.0000

■ 124.1795,
140.6976, 73.6987

■ 1.1737, 1.7269,
0.0000

■ 155.9341,
175.7328, 97.6080

■ 0.0855, 0.4410,
0.0000

192.6872,

■ 0.0000, 0.0000,

216.1489, 126.1987

0.0000

234.8042,
262.3303, 159.8892

■ 27.5968, 32.7809,
9.7233

■ 27.5968, 32.7809,
9.7233

■ 27.1400, 32.5918,
7.6570

■ 28.1860, 33.0254,
12.4790

■ 26.8017, 32.4489,
6.2173

■ 28.9154, 33.3248,
15.9755

■ 26.5692, 32.3484,
5.3338

■ 29.7949, 33.6842,
20.2617

■ 26.4106, 32.2774,
4.8382

■ 30.8330, 34.1071,
25.3819

■ 26.4106, 32.2774,
4.8382

■ 32.0374, 34.5965,
31.3768

■ 33.4153, 35.1554,
38.2846

■ 34.9736, 35.7865,
46.1414

■ 36.7187, 36.4923,
54.9812

■ 38.6568, 37.2753,
64.8362

Harmonies

Analogous

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



34.6467, 32.7809, 9.6145



27.5968, 32.7809, 9.7233



22.3611, 32.7809, 14.7546

Triad

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



27.5968, 32.7809, 9.7233



22.5605, 32.7809, 71.6887



46.3640, 32.7809, 46.2291

Complementary

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



27.5968, 32.7809, 9.7233



10.4263, 7.3638, 34.1315

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.



42.0019, 32.7809, 70.5642



27.5968, 32.7809, 9.7233



27.9104, 32.7809, 88.6350

Square

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



27.5968, 32.7809, 9.7233



19.7695, 32.7809, 47.3913



35.0115, 32.7809, 88.1592



46.2458, 32.7809, 26.0978

Rectangle

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



27.5968, 32.7809, 9.7233



20.2872, 32.7809, 21.9059



35.0115, 32.7809, 88.1592



45.3473, 32.7809, 54.3098

Sweetspot

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



27.5976, 32.7824, 9.7240



56.3207, 62.0634, 47.7704



17.3487, 11.6944, 6.1938



12.2288, 13.5613, 9.8660



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.



27.5976, 32.7824, 9.7240



49.0442, 59.0767, 12.8945



19.9778, 28.8543, 9.3674



7.1565, 7.7133, 7.0973



20.5771, 25.1446, 3.7689



0.3718, 0.4516, 0.0676

Inverse Universe

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



10.4263, 7.3638, 34.1315



15.0292, 8.7043, 61.2745



15.0671, 9.7562, 34.3487



6.2969, 6.4415, 8.3181



4.9801, 1.9964, 26.0301



0.0924, 0.0374, 0.4656

Previews

White Background



This preview shows how the XYZ color 27.5968, 32.7809, 9.7233 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 27.5968, 32.7809, 9.7233 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 27.5968, 32.7809, 9.7233

Background



This preview shows how black text looks on a background with the XYZ color 27.5968, 32.7809, 9.7233.



This preview shows how white text looks on a background with the XYZ color 27.5968, 32.7809,

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

27.5968, 32.7809, 9.7233

Protanopia

29.8521, 32.6858, 9.4382

Deuteranopia

33.2153, 32.4913, 9.9896



Tritanopia

33.5764, 32.7462, 38.7334

Trichromacy



Original Color

27.5968, 32.7809, 9.7233

Protanomaly

29.1026, 32.7977, 9.4993

Deuteranomaly

31.0637, 32.5650, 9.9586

Tritanomaly

30.6313, 32.5101, 24.3993

Monochromacy



Original Color

27.5968, 32.7809, 9.7233

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.3880, 30.4162, 21.2570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5968, 32.7809, 9.7233 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(158, 160, 64)` looks like.

```
.text, #text, p{  
    color:rgb(158, 160, 64)  
}
```

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(158, 160, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 160, 64) }
```

Border

The CSS property to change the border of an element to XYZ 27.5968, 32.7809, 9.7233 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(158, 160, 64) }
```


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

```
.border{ border-color:rgb(158, 160, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 160, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 160, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 160, 64);  
box-shadow:4px 4px 4px 4px rgb(158, 160,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5968, 32.7809, 9.7233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 160, 64) }
```

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

```
.background{ background-color: rgb(158,  
160, 64) }
```

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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