

Converting Colors

XYZ(29.8947, 32.0036, 38.7736)

Have a look what the booklet for
XYZ(29.8947, 32.0036, 38.7736)
contains.

XYZ(29.9200, 32.0711, 38.7958)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9200, 32.0711,
38.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	919BA2
RGB	145, 155, 162
RGB Percent	57%, 61%, 64%
CMY	0.4314, 0.3921, 0.3647
CMYK	0.10, 0.04, 0.00, 0.36
HSL	205°, 8%, 60%
HSV	205°, 10%, 64%
XYZ	29.9200, 32.0711, 38.7958
YIQ	152.8080, -8.2070, 0.0570

Conversions

Conversions Part 2

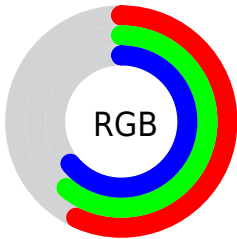
Format	Color
RYB	145, 151, 162
Decimal	9542562
CIELab	63.40, -2.12, -4.89
CIELCh	63, 5.328, 246.567
Yxy	32.0711, 0.2969, 0.3182
Android (android.graphics.Color)	4287732642 (0xFF919BA2)
YUV	152.8080, 4.5317, -6.8476
Hunter-Lab	56.6314, -4.7981, -0.9752

Details

The XYZ color **29.9200, 32.0711, 38.7958** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2395, 32.1820, 31.3539**, and the grayscale version is **30.1791, 31.7507, 34.5765**.

A 20% lighter version of the original color is **58.8780, 62.7528, 74.6549**, and **12.3809, 13.4061, 16.6869** is the 20% darker color. If you saturate the color by 10%, you get **26.1874, 28.5454, 38.3125**, and if you desaturate by 10%, it is **34.1229, 35.9319, 39.3200**.

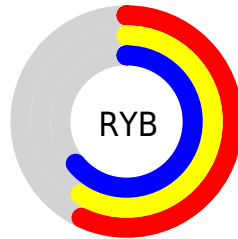
Distribution



Red (57%)

Green (61%)

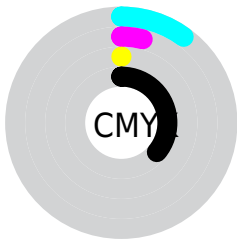
Blue (64%)



Red (57%)

Yellow (59%)

Blue (64%)

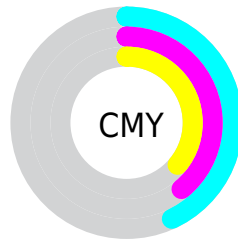


Cyan (10%)

Magenta (4%)

Yellow (0%)

Black (36%)



Cyan (43%)

Magenta (39%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9200, 32.0711, 38.7958 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 29.9200, 32.0711, 38.7958 by changing the saturation by 10% instead.

■ 29.9200, 32.0711,
38.7958

■ 29.9200, 32.0711,
38.7958

293.4479,
311.4430, 356.4215

■ 19.9256, 21.4158,
26.2943

■ 58.9231, 62.9225,
74.5432

■ 12.4490, 13.4283,
16.8162

■ 78.6626, 83.8875,
98.6261

■ 7.1246, 7.7241,
9.9430

102.3812,
109.0577, 127.4066

■ 3.5872, 3.9189,
5.2560

130.4442,
138.8178, 161.3032

■ 1.4713, 1.6283,
2.3369

163.2171,
173.5519, 200.7345

■ 0.3062, 0.3766,
0.7518

201.0650,

■ 0.0000, 0.0000,

213.6445, 246.1189

0.0000

244.3535,
259.4801, 297.8751

■ 29.9200, 32.0711,
38.7958

■ 29.9200, 32.0711,
38.7958

■ 26.1874, 28.5454,
38.3125

■ 34.1229, 35.9319,
39.3200

■ 22.9041, 25.3401,
37.8669

■ 38.8103, 40.1341,
39.8840

■ 20.0517, 22.4449,
37.4584

■ 43.9994, 44.6886,
40.4897

■ 17.6093, 19.8476,
37.0858

■ 49.7055, 49.6049,
41.1379

■ 15.5542, 17.5349,
36.7477

■ 55.9434, 54.8918,
41.8296

■ 13.8613, 15.4923,
36.4427

■ 62.7271, 60.5579,
42.5657

■ 12.5020, 13.7033,
36.1690

■ 68.8076, 65.9605,
43.2880

■ 11.4430, 12.1491,
35.9248

■ 70.4030, 69.1513,
43.8198

■ 10.6426, 10.8505,
35.7163

■ 72.0668, 72.4789,
44.3744

Harmonies

Analogous

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



29.3535, 32.0711, 37.4056



29.9200, 32.0711, 38.7958



30.6457, 32.0711, 39.1287

Triad

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



29.9200, 32.0711, 38.7958



31.9188, 32.0711, 34.4558



29.6424, 32.0711, 31.7468

Complementary

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



29.9200, 32.0711, 38.7958



31.2395, 32.1820, 31.3539

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.



30.3201, 32.0711, 31.0244



29.9200, 32.0711, 38.7958



31.6403, 32.0711, 32.5470

Square

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



29.9200, 32.0711, 38.7958



31.8075, 32.0711, 36.5665



31.0522, 32.0711, 31.3113



29.1951, 32.0711, 33.3236

Rectangle

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



29.9200, 32.0711, 38.7958



31.1237, 32.0711, 38.6948



31.0522, 32.0711, 31.3113



29.8504, 32.0711, 31.3990

Sweetspot

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



29.9209, 32.0724, 38.7965



59.9088, 63.3765, 71.1315



30.2490, 34.1214, 34.6123



13.3175, 14.1082, 15.9588



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.9209, 32.0724, 38.7965



52.3687, 56.4019, 70.1827



28.5863, 29.4032, 38.3516



7.0305, 7.5200, 8.9840



8.4275, 8.6345, 28.1522



0.2220, 0.2713, 0.6065

Inverse Universe

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



30.9428, 30.2994, 35.2295



54.6825, 52.4677, 62.0878



32.6345, 34.9720, 31.8189



7.2404, 7.1526, 8.2521



13.3993, 6.7158, 9.2933



0.3042, 0.1502, 0.3147

Previews

White Background



This preview shows how the XYZ color 29.9200, 32.0711, 38.7958 looks on a white background.

Color Contrast Check

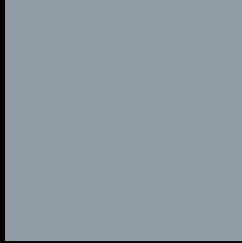
Large Text (above 18pt) WCAG AA × Fail

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 29.9200, 32.0711, 38.7958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

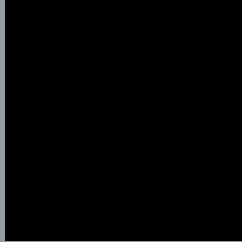
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9200, 32.0711, 38.7958

Background



This preview shows how black text looks on a background with the XYZ color 29.9200, 32.0711, 38.7958.



This preview shows how white text looks on a background with the XYZ color 29.9200, 32.0711,

38.7958.

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

29.9200, 32.0711, 38.7958

Protanopia

30.8998, 31.8646, 37.7796

Deuteranopia

32.6681, 32.0317, 39.1113



Tritanopia

30.3847, 32.0122, 41.1367

Trichromacy



Original Color

29.9200, 32.0711, 38.7958

Protanomaly

30.5868, 31.9350, 38.2702

Deuteranomaly

31.5821, 31.9457, 39.1519

Tritanomaly

30.2012, 31.9388, 40.1703

Monochromacy



Original Color

29.9200, 32.0711, 38.7958

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 29.9200, 32.0711, 38.7958 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(145, 155, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 155, 162) }
```

Border

The CSS property to change the border of an element to XYZ 29.9200, 32.0711, 38.7958 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, 162) }
```


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

```
.border{ border-color:rgb(145, 155, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 155, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 155, 162);  
box-shadow:4px 4px 4px 4px rgb(145, 155,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9200, 32.0711, 38.7958 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, 162) }
```

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

```
.background{ background-color: rgb(145,  
155, 162) }
```

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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