

Converting Colors

XYZ(29.7671, 32.6453, 38.2815)

Have a look what the booklet for
XYZ(29.7671, 32.6453, 38.2815)
contains.

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Color

**XYZ(29.8152, 32.7777,
38.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	8E9EA1
RGB	142, 158, 161
RGB Percent	56%, 62%, 63%
CMY	0.4431, 0.3804, 0.3686
CMYK	0.12, 0.02, 0.00, 0.37
HSL	189°, 9%, 59%
HSV	189°, 12%, 63%
XYZ	29.8152, 32.7777, 38.4735
YIQ	153.5580, -10.4990, -2.4590

Conversions

Conversions Part 2

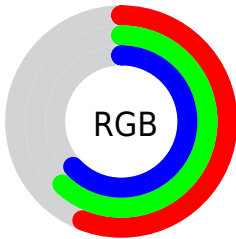
Format	Color
RYB	142, 151, 161
Decimal	9346721
CIELab	63.98, -5.01, -3.50
CIElCh	64, 6.111, 214.902
Yxy	32.7777, 0.2950, 0.3243
Android (android.graphics.Color)	4287536801 (0xFF8E9EA1)
YUV	153.5580, 3.6689, -10.1364
Hunter-Lab	57.2518, -7.2327, 0.2331

Details

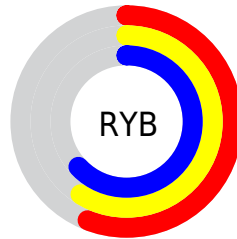
The XYZ color **29.8152, 32.7777, 38.4735** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7060, 29.7807, 29.7743**, and the grayscale version is **30.5101, 32.0990, 34.9558**.

A 20% lighter version of the original color is **58.9539, 64.2821, 74.2662**, and **12.4858, 13.9165, 16.7799** is the 20% darker color. If you saturate the color by 10%, you get **26.8214, 30.5986, 38.2112**, and if you desaturate by 10%, it is **33.2189, 35.1832, 38.7589**.

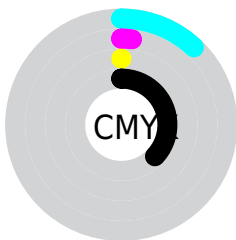
Distribution



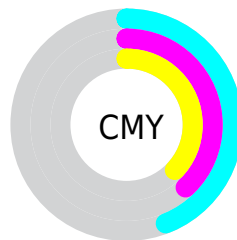
- Red (56%)
- Green (62%)
- Blue (63%)



- Red (56%)
- Yellow (59%)
- Blue (63%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (37%)



- Cyan (44%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8152, 32.7777, 38.4735 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 29.8152, 32.7777, 38.4735 by changing the saturation by 10% instead.

■ 29.8152, 32.7777,
38.4735

■ 29.8152, 32.7777,
38.4735

292.9674,
314.6468, 355.0057

■ 19.8457, 21.9562,
26.0457

■ 58.7584, 64.0283,
74.0448

■ 12.3906, 13.8247,
16.6318

■ 78.4629, 85.2262,
98.0253

■ 7.0843, 7.9989,
9.8131

■ 102.1431,
110.6517, 126.6939

■ 3.5617, 4.0942,
5.1713

130.1644,
140.6892, 160.4690

■ 1.4573, 1.7264,
2.2876

162.8921,
175.7230, 199.7692

■ 0.2965, 0.4407,
0.7243

200.6916,

■ 0.0000, 0.0000,

216.1377, 245.0130

0.0000

243.9283,
262.3175, 296.6190

■ 29.8152, 32.7777,
38.4735

■ 29.8152, 32.7777,
38.4735

■ 26.8214, 30.5986,
38.2112

■ 33.2189, 35.1832,
38.7589

■ 24.2175, 28.6329,
37.9690

■ 37.0457, 37.8192,
39.0660

■ 21.9862, 26.8723,
37.7468

■ 41.3117, 40.6952,
39.3963

■ 20.1077, 25.3067,
37.5436

■ 46.0314, 43.8185,
39.7504

■ 18.5603, 23.9248,
37.3584

■ 51.2184, 47.1964,
40.1290

■ 17.3199, 22.7140,
37.1901

■ 56.8860, 50.8357,
40.5328

■ 16.3590, 21.6602,
37.0373

■ 63.0467, 54.7430,
40.9622

■ 15.6451, 20.7463,
36.8986

■ 63.6582, 55.8033,
41.1347

■ 15.1810, 20.0691,
36.7923

■ 64.1695, 56.8260,
41.3051

Harmonies

Analogous

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



29.5326, 32.7777, 36.0963



29.8152, 32.7777, 38.4735



30.4568, 32.7777, 40.1607

Triad

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



29.8152, 32.7777, 38.4735



32.6787, 32.7777, 37.7399



31.0129, 32.7777, 31.1678

Complementary

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



29.8152, 32.7777, 38.4735



29.7060, 29.7807, 29.7743

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.



31.8622, 32.7777, 31.5628



29.8152, 32.7777, 38.4735



32.8341, 32.7777, 35.2854

Square

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



29.8152, 32.7777, 38.4735



32.1118, 32.7777, 39.7236



32.5327, 32.7777, 33.0429



30.2159, 32.7777, 31.9379

Rectangle

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



29.8152, 32.7777, 38.4735



31.0073, 32.7777, 40.6268



32.5327, 32.7777, 33.0429



31.3017, 32.7777, 31.1691

Sweetspot

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



29.8161, 32.7791, 38.4742



58.0399, 61.9941, 69.2936



29.0000, 33.2808, 31.6234



12.6303, 13.5269, 15.1889



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.



29.8161, 32.7791, 38.4742



52.0104, 57.7058, 68.7836



28.2810, 29.7089, 37.9625



7.1805, 7.8200, 9.0340



12.1489, 16.0771, 29.3927



0.2793, 0.3858, 0.6256

Inverse Universe

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



30.5432, 29.3923, 36.4128



53.5659, 50.5250, 64.3590



31.1944, 32.7575, 30.2705



7.3161, 7.1829, 8.6509



15.2776, 7.4671, 19.1845



0.3331, 0.1617, 0.4669

Previews

White Background



This preview shows how the XYZ color 29.8152, 32.7777, 38.4735 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 29.8152, 32.7777, 38.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

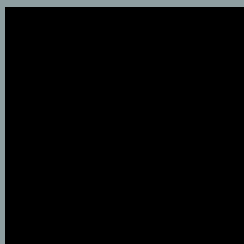
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

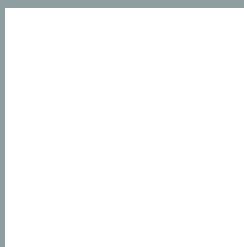
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8152, 32.7777, 38.4735

Background



This preview shows how black text looks on a background with the XYZ color 29.8152, 32.7777, 38.4735.



This preview shows how white text looks on a background with the XYZ color 29.8152, 32.7777,

38.4735.

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

29.8152, 32.7777, 38.4735

Protanopia

31.5239, 32.6823, 37.4477

Deuteranopia

33.2431, 32.5640, 39.1837



Tritanopia

30.5461, 32.8182, 42.2607

Trichromacy



Original Color

29.8152, 32.7777, 38.4735

Protanomaly

30.8290, 32.5601, 37.9176

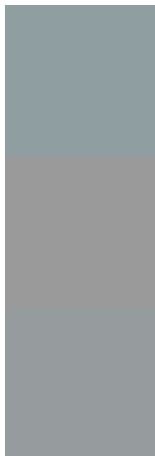
Deuteranomaly

31.8174, 32.5592, 38.7900

Tritanomaly

30.2676, 32.7068, 40.7942

Monochromacy



Original Color

29.8152, 32.7777, 38.4735

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.3848, 32.3610, 36.5431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8152, 32.7777, 38.4735 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(142, 158, 161) looks like.

```
.text, #text, p{  
    color:rgb(142, 158, 161)  
}
```

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(142, 158, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 158, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.8152, 32.7777, 38.4735 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(142, 158, 161) }
```


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

```
.border{ border-color:rgb(142, 158, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 158, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 158, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 158, 161); box-shadow:4px 4px 4px 4px rgb(142, 158, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8152, 32.7777, 38.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 158, 161) }
```

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

```
.background{ background-color: rgb(142,  
158, 161) }
```

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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