

Converting Colors

XYZ(28.6888, 35.8699, 38.1151)

Have a look what the booklet for
XYZ(28.6888, 35.8699, 38.1151)
contains.

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Color

**XYZ(28.7563, 36.0013,
38.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	78AC9F
RGB	120, 172, 159
RGB Percent	47%, 67%, 62%
CMY	0.5294, 0.3255, 0.3765
CMYK	0.30, 0.00, 0.08, 0.33
HSL	165°, 24%, 57%
HSV	165°, 30%, 67%
XYZ	28.7563, 36.0013, 38.2342
YIQ	154.9700, -26.8190, -15.0670

Conversions

Conversions Part 2

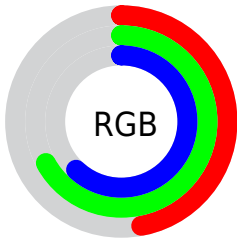
Format	Color
RYB	120, 150, 172
Decimal	7908511
CIELab	66.52, -20.03, 1.18
CIELCh	67, 20.067, 176.636
Yxy	36.0013, 0.2792, 0.3496
Android (android.graphics.Color)	4286098591 (0xFF78AC9F)
YUV	154.9700, 1.9868, -30.6687
Hunter-Lab	60.0011, -19.4534, 4.2197

Details

The XYZ color **28.7563, 36.0013, 38.2342** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.9647, 23.8981, 25.3308**, and the grayscale version is **31.1433, 32.7651, 35.6812**.

A 20% lighter version of the original color is **57.3366, 69.3405, 73.9804**, and **11.8775, 15.7809, 16.6074** is the 20% darker color. If you saturate the color by 10%, you get **26.2153, 34.7347, 36.2014**, and if you desaturate by 10%, it is **31.7409, 37.4970, 40.3571**.

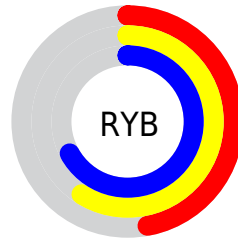
Distribution



Red (47%)

Green (67%)

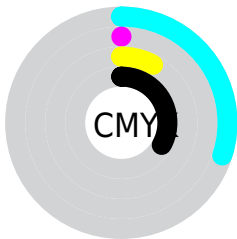
Blue (62%)



Red (47%)

Yellow (59%)

Blue (67%)

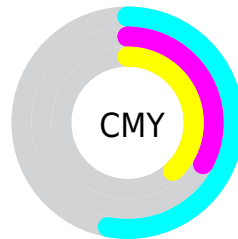


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7563, 36.0013, 38.2342 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 28.7563, 36.0013, 38.2342 by changing the saturation by 10% instead.

■ 28.7563, 36.0013,
38.2342

■ 28.7563, 36.0013,
38.2342

288.0784,
328.9662, 353.9518

■ 19.0399, 24.4352,
25.8613

■ 57.0899, 69.0341,
73.6744

■ 11.8033, 15.6568,
16.4950

■ 76.4378, 91.2695,
97.5787

■ 6.6811, 9.2816,
9.7170

■ 99.7270, 117.8302,
126.1639

■ 3.3080, 4.9253,
5.1086

127.3227,
149.1006, 159.8485

■ 1.3187, 2.2035,
2.2513

159.5903,
185.4650, 199.0510

■ 0.1971, 0.7219,
0.7037

196.8952,

■ 0.0000, 0.0000,

227.3078, 244.1901

0.0000

239.6028,
275.0134, 295.6842

■ 28.7563, 36.0013,
38.2342

■ 28.7563, 36.0013,
38.2342

■ 26.2153, 34.7347,
36.2014

■ 31.7409, 37.4970,
40.3571

■ 24.0916, 33.6808,
34.2546

■ 35.1873, 39.2283,
42.5692

■ 22.3612, 32.8281,
32.3925

■ 39.1166, 41.2070,
44.8731

■ 20.9959, 32.1623,
30.6133

■ 43.5474, 43.4427,
47.2702

■ 19.9640, 31.6668,
28.9147

■ 48.4976, 45.9446,
49.7621

■ 19.2280, 31.3225,
27.2943

■ 53.9840, 48.7213,
52.3501

■ 18.7154, 31.0912,
25.7825

■ 60.0227, 51.7812,
55.0356

■ 65.6642, 54.6347,
57.7749

■ 66.1524, 54.8300,
60.3458

Harmonies

Analogous

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



29.6056, 36.0013, 30.7671



28.7563, 36.0013, 38.2342



29.2981, 36.0013, 47.1153

Triad

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



28.7563, 36.0013, 38.2342



36.8808, 36.0013, 55.9725



37.5029, 36.0013, 26.9145

Complementary

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



28.7563, 36.0013, 38.2342



27.9647, 23.8981, 25.3308

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.



39.6603, 36.0013, 32.2237



28.7563, 36.0013, 38.2342



39.2865, 36.0013, 49.0465

Square

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



28.7563, 36.0013, 38.2342



33.8795, 36.0013, 58.1972



40.3312, 36.0013, 40.1805



34.5591, 36.0013, 24.8638

Rectangle

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



28.7563, 36.0013, 38.2342



30.3937, 36.0013, 52.5361



40.3312, 36.0013, 40.1805



38.3506, 36.0013, 28.3353

Sweetspot

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



28.7573, 36.0028, 38.2350



64.5534, 71.5257, 77.6634



27.9541, 35.9200, 23.2300



13.8226, 15.4403, 16.7520



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.7573, 36.0028, 38.2350



49.1212, 63.7906, 66.9772



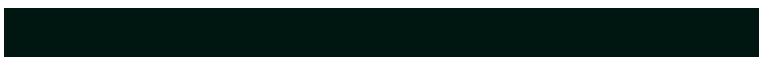
27.7410, 32.0684, 43.7591



8.1495, 9.0373, 9.8121



13.9495, 23.1451, 19.3056



0.4082, 0.6519, 0.6434

Inverse Universe

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



27.9647, 23.8981, 25.3308



47.4639, 38.4153, 39.9476



28.6740, 26.6666, 21.4060



8.0843, 8.0470, 8.7549



13.0044, 6.6643, 2.4025



0.3836, 0.1941, 0.1820

Previews

White Background



This preview shows how the XYZ color 28.7563, 36.0013, 38.2342 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 28.7563, 36.0013, 38.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

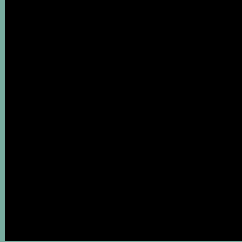
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7563, 36.0013, 38.2342

Background



This preview shows how black text looks on a background with the XYZ color 28.7563, 36.0013, 38.2342.



This preview shows how white text looks on a background with the XYZ color 28.7563, 36.0013,

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

28.7563, 36.0013, 38.2342

Protanopia

34.2205, 35.8966, 35.2621

Deuteranopia

36.3146, 35.6157, 39.1429



Tritanopia

31.0889, 36.1133, 49.5880

Trichromacy



Original Color

28.7563, 36.0013, 38.2342

Protanomaly

31.7660, 35.6664, 36.2204

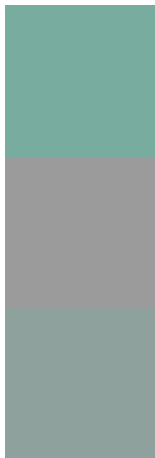
Deuteranomaly

33.0637, 35.4818, 38.8242

Tritanomaly

30.1831, 36.0164, 45.4054

Monochromacy



Original Color

28.7563, 36.0013, 38.2342

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.9009, 33.6408, 36.3699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7563, 36.0013, 38.2342 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(120, 172, 159)` looks like.

```
.text, #text, p{  
    color:rgb(120, 172, 159)  
}
```

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(120, 172, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 172, 159) }
```

Border

The CSS property to change the border of an element to XYZ 28.7563, 36.0013, 38.2342 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(120, 172, 159) }
```


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

```
.border{ border-color:rgb(120, 172, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 172, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 172, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 172, 159);  
box-shadow:4px 4px 4px 4px rgb(120, 172,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7563, 36.0013, 38.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 172, 159) }
```

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

```
.background{ background-color: rgb(120,  
172, 159) }
```

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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