

Converting Colors

XYZ(29.2234, 33.4096, 44.0015)

Have a look what the booklet for
XYZ(29.2234, 33.4096, 44.0015)
contains.

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Color

**XYZ(29.2688, 33.4084,
43.9356)**

Conversions

Conversions Part 1

Format	Color
Hex	80A2AC
RGB	128, 162, 172
RGB Percent	50%, 64%, 67%
CMY	0.4980, 0.3647, 0.3255
CMYK	0.26, 0.06, 0.00, 0.33
HSL	194°, 21%, 59%
HSV	194°, 26%, 67%
XYZ	29.2688, 33.4084, 43.9356
YIQ	152.9740, -23.4740, -4.0980

Conversions

Conversions Part 2

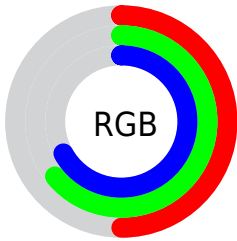
Format	Color
RYB	128, 147, 172
Decimal	8430252
CIELab	64.49, -9.30, -9.02
CIElCh	64, 12.950, 224.118
Yxy	33.4084, 0.2745, 0.3134
Android (android.graphics.Color)	4286620332 (0xFF80A2AC)
YUV	152.9740, 9.3798, -21.9022
Hunter-Lab	57.8000, -10.7611, -4.6082

Details

The XYZ color **29.2688, 33.4084, 43.9356** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.9984, 28.5063, 24.3440**, and the grayscale version is **30.2355, 31.8101, 34.6412**.

A 20% lighter version of the original color is **57.9694, 65.1168, 82.1865**, and **12.0267, 14.0857, 19.8542** is the 20% darker color. If you saturate the color by 10%, you get **26.2202, 30.8314, 43.5994**, and if you desaturate by 10%, it is **32.7794, 36.2570, 44.3010**.

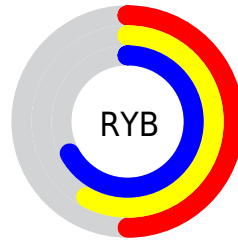
Distribution



Red (50%)

Green (64%)

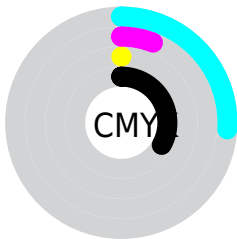
Blue (67%)



Red (50%)

Yellow (58%)

Blue (67%)

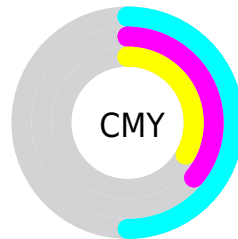


Cyan (26%)

Magenta (6%)

Yellow (0%)

Black (33%)



Cyan (50%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2688, 33.4084, 43.9356 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 29.2688, 33.4084, 43.9356 by changing the saturation by 10% instead.

■ 29.2688, 33.4084,
43.9356

■ 29.2688, 33.4084,
43.9356

290.4525,
317.4860, 378.4791

■ 19.4296, 22.4395,
30.2831

■ 57.8985, 65.0126,
82.4223

■ 12.0869, 14.1802,
19.7997

■ 77.4197, 86.4167,
108.0935

■ 6.8755, 8.2461,
12.0669

■ 100.8988,
112.0680, 138.6080

■ 3.4300, 4.2528,
6.6661

128.7014,
142.3509, 174.3844

■ 1.3850, 1.8160,
3.1789

161.1927,
177.6497, 215.8411

■ 0.2455, 0.4971,
1.1867

198.7381,

■ 0.0000, 0.0000,

218.3489, 263.3968

0.0000

241.7029,
264.8329, 317.4699

■ 29.2688, 33.4084,
43.9356

■ 29.2688, 33.4084,
43.9356

■ 26.2202, 30.8314,
43.5994

■ 32.7794, 36.2570,
44.3010

■ 23.6083, 28.5101,
43.2890

■ 36.7697, 39.3842,
44.6943

■ 21.4098, 26.4331,
43.0040

■ 41.2601, 42.8015,
45.1172

■ 19.5981, 24.5865,
42.7431

■ 46.2690, 46.5187,
45.5707

■ 18.1432, 22.9544,
42.5047

■ 51.8138, 50.5450,
46.0556

■ 17.0105, 21.5188,
42.2873

■ 57.9110, 54.8893,
46.5728

■ 16.1561, 20.2565,
42.0887

■ 64.5765, 59.5599,
47.1230

■ 15.8227, 19.7310,
42.0048

■ 67.8163, 62.4982,
47.5194

■ 68.6934, 64.2523,
47.8117

Harmonies

Analogous

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



28.4287, 33.4084, 38.9170



29.2688, 33.4084, 43.9356



30.7906, 33.4084, 47.0761

Triad

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



29.2688, 33.4084, 43.9356



35.2979, 33.4084, 39.2345



30.8942, 33.4084, 27.3671

Complementary

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



29.2688, 33.4084, 43.9356



29.9984, 28.5063, 24.3440

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.



32.7367, 33.4084, 27.4342



29.2688, 33.4084, 43.9356



35.3283, 33.4084, 33.9482

Square

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



29.2688, 33.4084, 43.9356



34.2938, 33.4084, 44.1874



34.3754, 33.4084, 29.7376



29.3422, 33.4084, 29.5442

Rectangle

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



29.2688, 33.4084, 43.9356



32.0097, 33.4084, 47.5078



34.3754, 33.4084, 29.7376



31.4990, 33.4084, 27.1351

Sweetspot

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



29.2698, 33.4097, 43.9364



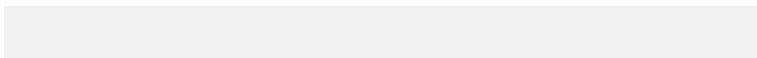
64.7645, 69.9445, 80.8930



28.2090, 35.9164, 29.3145



13.8387, 15.0164, 17.5568



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.



29.2698, 33.4097, 43.9364



49.6957, 57.7573, 79.3348



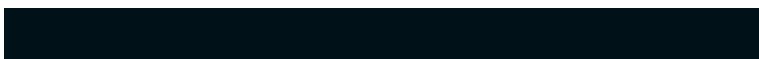
25.7956, 26.4613, 42.7783



8.0797, 8.7587, 10.2175



11.8171, 14.7681, 31.2722



0.3662, 0.4857, 0.8824

Inverse Universe

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



31.2548, 26.8184, 37.7131



54.0169, 43.8827, 65.6809



33.4002, 35.3100, 25.4779



8.2580, 8.1165, 9.6696



15.8284, 7.7939, 17.2735



0.4592, 0.2244, 0.5801

Previews

White Background



This preview shows how the XYZ color 29.2688, 33.4084, 43.9356 looks on a white background.

Color Contrast Check

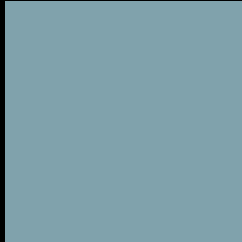
Large Text (above 18pt) WCAG AA × Fail

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 29.2688, 33.4084, 43.9356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

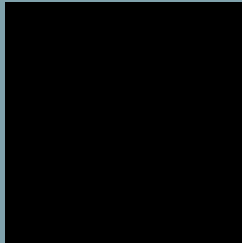
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

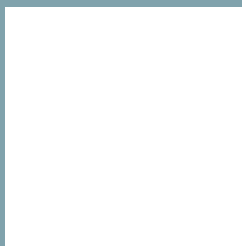
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2688, 33.4084, 43.9356

Background



This preview shows how black text looks on a background with the XYZ color 29.2688, 33.4084, 43.9356.



This preview shows how white text looks on a background with the XYZ color 29.2688, 33.4084,

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

29.2688, 33.4084, 43.9356

Protanopia

32.3068, 33.2384, 41.7587

Deuteranopia

33.9725, 33.2990, 44.6812



Tritanopia

29.7115, 33.6029, 45.4775

Trichromacy



Original Color

29.2688, 33.4084, 43.9356

Protanomaly

31.0653, 33.3380, 42.3337

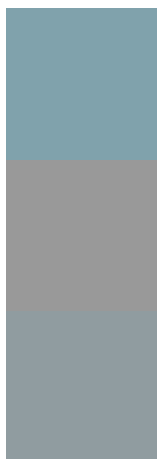
Deuteranomaly

32.0090, 33.2781, 44.2714

Tritanomaly

29.6136, 33.5638, 44.9621

Monochromacy



Original Color

29.2688, 33.4084, 43.9356

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7352, 32.2443, 37.9143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2688, 33.4084, 43.9356 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(128, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(128, 162, 172)  
}
```

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(128, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 162, 172) }
```

Border

The CSS property to change the border of an element to XYZ 29.2688, 33.4084, 43.9356 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(128, 162, 172) }
```


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

```
.border{ border-color:rgb(128, 162, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 162, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(128, 162,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2688, 33.4084, 43.9356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 162, 172) }
```

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

```
.background{ background-color: rgb(128,  
162, 172) }
```

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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