

Converting Colors

XYZ(29.7937, 34.2884, 43.5959)

Have a look what the booklet for
XYZ(29.7937, 34.2884, 43.5959)
contains.

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Color

**XYZ(29.6794, 34.1583,
43.5570)**

Conversions

Conversions Part 1

Format	Color
Hex	81A4AB
RGB	129, 164, 171
RGB Percent	51%, 64%, 67%
CMY	0.4941, 0.3569, 0.3294
CMYK	0.25, 0.04, 0.00, 0.33
HSL	190°, 20%, 59%
HSV	190°, 25%, 67%
XYZ	29.6794, 34.1583, 43.5570
YIQ	154.3330, -23.1070, -5.2430

Conversions

Conversions Part 2

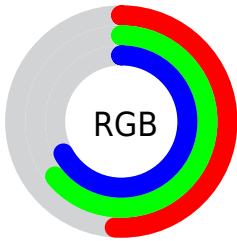
Format	Color
RYB	129, 148, 171
Decimal	8496299
CIELab	65.09, -10.30, -7.56
CIELCh	65, 12.777, 216.268
Yxy	34.1583, 0.2764, 0.3181
Android (android.graphics.Color)	4286686379 (0xFF81A4AB)
YUV	154.3330, 8.2168, -22.2170
Hunter-Lab	58.4451, -11.6336, -3.2751

Details

The XYZ color **29.6794, 34.1583, 43.5570** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.5616, 27.8514, 24.5874**, and the grayscale version is **30.8345, 32.4403, 35.3275**.

A 20% lighter version of the original color is **58.5874, 66.2213, 81.6456**, and **12.2658, 14.5400, 19.6128** is the 20% darker color. If you saturate the color by 10%, you get **26.7922, 31.9222, 43.2781**, and if you desaturate by 10%, it is **33.0147, 36.6441, 43.8616**.

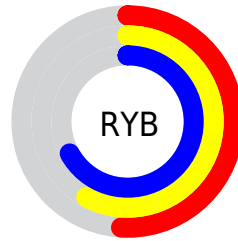
Distribution



Red (51%)

Green (64%)

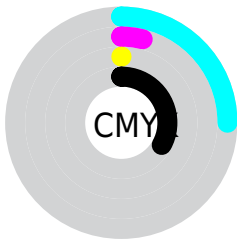
Blue (67%)



Red (51%)

Yellow (58%)

Blue (67%)

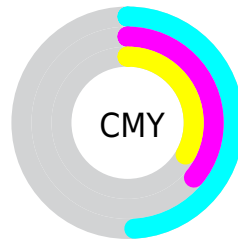


Cyan (25%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6794, 34.1583, 43.5570 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 29.6794, 34.1583, 43.5570 by changing the saturation by 10% instead.

■ 29.6794, 34.1583,
43.5570

■ 29.6794, 34.1583,
43.5570

292.3439,
320.8373, 376.8857

■ 19.7422, 23.0152,
29.9878

■ 58.5449, 66.1798,
81.8461

■ 12.3150, 14.6048,
19.5773

■ 78.2040, 87.8270,
107.4030

■ 7.0323, 8.5425,
11.9072

■ 101.8344,
113.7443, 137.7929

■ 3.5288, 4.4440,
6.5587

129.8015,
144.3162, 173.4343

■ 1.4392, 1.9249,
3.1135

162.4706,
179.9271, 214.7457

■ 0.2839, 0.5633,
1.1529

200.2072,

■ 0.0000, 0.0000,

220.9613, 262.1457

0.0000

243.3765,
267.8032, 316.0529

■ 29.6794, 34.1583,
43.5570

■ 29.6794, 34.1583,
43.5570

■ 26.7922, 31.9222,
43.2781

■ 33.0147, 36.6441,
43.8616

■ 24.3285, 29.9204,
43.0216

■ 36.8154, 39.3859,
44.1905

■ 22.2656, 28.1421,
42.7871

■ 41.1013, 42.3951,
44.5454

■ 20.5777, 26.5736,
42.5733

■ 45.8903, 45.6810,
44.9273

■ 19.2358, 25.2001,
42.3789

■ 51.1993, 49.2523,
45.3368

■ 18.2065, 24.0041,
42.2023

■ 57.0446, 53.1176,
45.7748

■ 17.4494, 22.9646,
42.0416

■ 63.4415, 57.2848,
46.2420

■ 17.0997, 22.4381,
41.9584

■ 66.3181, 59.6549,
46.5478

■ 66.9277, 60.8741,
46.7510

Harmonies

Analogous

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



29.0541, 34.1583, 38.3170



29.6794, 34.1583, 43.5570



31.0544, 34.1583, 47.3305

Triad

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



29.6794, 34.1583, 43.5570



35.8363, 34.1583, 41.4495



32.0793, 34.1583, 27.9491

Complementary

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



29.6794, 34.1583, 43.5570



29.5616, 27.8514, 24.5874

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.



33.9207, 34.1583, 28.6167



29.6794, 34.1583, 43.5570



36.1360, 34.1583, 36.0904

Square

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



29.6794, 34.1583, 43.5570



34.6187, 34.1583, 46.0351



35.4227, 34.1583, 31.4804



30.4053, 34.1583, 29.5617

Rectangle

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



29.6794, 34.1583, 43.5570



32.2352, 34.1583, 48.3247



35.4227, 34.1583, 31.4804



32.6988, 34.1583, 27.9166

Sweetspot

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



29.6804, 34.1597, 43.5578



64.1074, 69.2337, 78.9865



28.0112, 35.5513, 28.4190



14.2073, 15.3756, 17.6067



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.



29.6804, 34.1597, 43.5578



50.4964, 59.1390, 77.7554



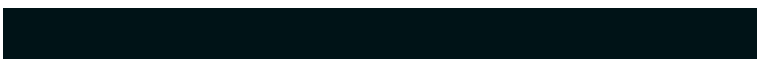
26.3325, 27.4639, 42.4418



8.1211, 8.8415, 10.2312



12.9234, 16.9807, 31.6410



0.3892, 0.5317, 0.8901

Inverse Universe

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



31.3465, 27.0396, 38.6905



53.9965, 44.5037, 67.4578



32.6965, 34.1213, 25.6324



8.2789, 8.1248, 9.7795



16.3868, 8.0173, 20.2140



0.4708, 0.2290, 0.6411

Previews

White Background



This preview shows how the XYZ color 29.6794, 34.1583, 43.5570 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 29.6794, 34.1583, 43.5570 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 29.6794, 34.1583, 43.5570

Background



This preview shows how black text looks on a background with the XYZ color 29.6794, 34.1583, 43.5570.

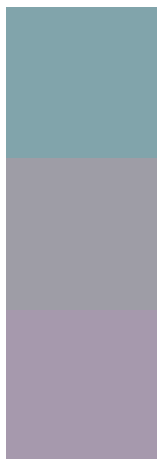


This preview shows how white text looks on a background with the XYZ color 29.6794, 34.1583,

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

29.6794, 34.1583, 43.5570

Protanopia

33.0405, 34.1362, 40.9239

Deuteranopia

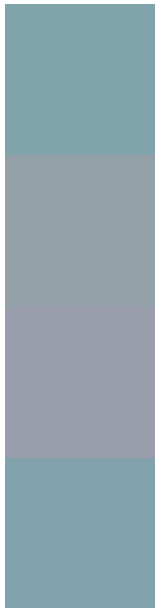
34.6599, 33.9066, 44.2530



Tritanopia

30.1396, 34.0748, 46.0629

Trichromacy



Original Color

29.6794, 34.1583, 43.5570

Protanomaly

31.6713, 34.1718, 41.9723

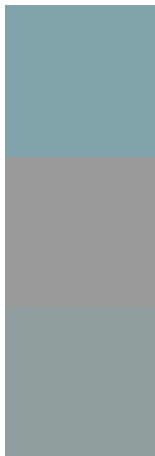
Deuteranomaly

32.6402, 33.8648, 43.8460

Tritanomaly

29.9431, 33.9962, 45.0282

Monochromacy



Original Color

29.6794, 34.1583, 43.5570

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2491, 33.0115, 38.0353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6794, 34.1583, 43.5570 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(129, 164, 171)` looks like.

```
.text, #text, p{  
    color:rgb(129, 164, 171)  
}
```

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(129, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 164, 171) }
```

Border

The CSS property to change the border of an element to XYZ 29.6794, 34.1583, 43.5570 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(129, 164, 171) }
```


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

```
.border{ border-color:rgb(129, 164, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 164, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(129, 164,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6794, 34.1583, 43.5570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 164, 171) }
```

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

```
.background{ background-color: rgb(129,  
164, 171) }
```

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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