

Converting Colors

XYZ(29.7938, 43.2223, 29.2168)

Have a look what the booklet for
XYZ(29.7938, 43.2223, 29.2168)
contains.

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Color

**XYZ(29.8034, 43.1762,
29.3173)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC186
RGB	110, 193, 134
RGB Percent	43%, 76%, 53%
CMY	0.5686, 0.2431, 0.4745
CMYK	0.43, 0.00, 0.31, 0.24
HSL	137°, 40%, 59%
HSV	137°, 43%, 76%
XYZ	29.8034, 43.1762, 29.3173
YIQ	161.4570, -30.5290, -35.9450

Conversions

Conversions Part 2

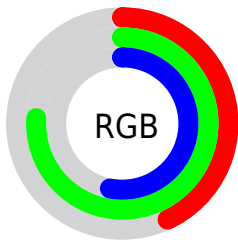
Format	Color
RYB	110, 174, 193
Decimal	7258502
CIELab	71.67, -38.22, 22.02
CIELCh	72, 44.107, 150.057
Yxy	43.1762, 0.2913, 0.4221
Android (android.graphics.Color)	4285448582 (0xFF6EC186)
YUV	161.4570, -13.5363, -45.1278
Hunter-Lab	65.7086, -34.0279, 19.5425

Details

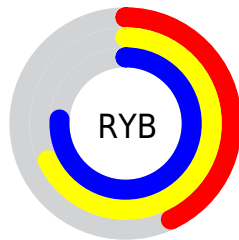
The XYZ color **29.8034, 43.1762, 29.3173** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.7310, 25.3546, 40.6008**, and the grayscale version is **34.1611, 35.9402, 39.1389**.

A 20% lighter version of the original color is **58.6723, 79.9584, 59.3549**, and **12.4084, 19.9176, 11.5780** is the 20% darker color. If you saturate the color by 10%, you get **26.7631, 41.7135, 24.5003**, and if you desaturate by 10%, it is **33.4932, 44.9617, 34.8147**.

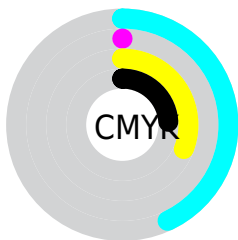
Distribution



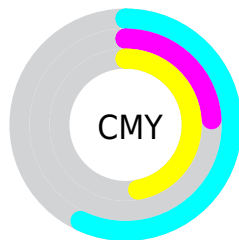
- Red (43%)
- Green (76%)
- Blue (53%)



- Red (43%)
- Yellow (68%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (24%)



- Cyan (57%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8034, 43.1762, 29.3173 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 29.8034, 43.1762, 29.3173 by changing the saturation by 10% instead.

■ 29.8034, 43.1762,
29.3173

■ 29.8034, 43.1762,
29.3173

292.9133,
359.3359, 312.8168

■ 19.8367, 30.0234,
19.0733

■ 58.7399, 79.9767,
59.6290

■ 12.3840, 19.8563,
11.5459

■ 78.4404, 104.3931,
80.5339

■ 7.0798, 12.2907,
6.3165

■ 102.1163,
133.3330, 105.8294

■ 3.5588, 6.9420,
2.9666

130.1329,
167.1805, 135.9342

■ 1.4557, 3.4258,
1.0776

162.8555,
206.3202, 171.2668

■ 0.2954, 1.3579,
0.0000

200.6496,

■ 0.0000, 0.1854,

251.1364, 212.2458

0.0000

243.8804,
302.0135, 259.2896

■ 0.0000, 0.0000,
0.0000

■ 29.8034, 43.1762,
29.3173

■ 29.8034, 43.1762,
29.3173

■ 26.7631, 41.7135,
24.5003

■ 33.4932, 44.9617,
34.8147

■ 24.3297, 40.5488,
20.3341

■ 37.8646, 47.0826,
41.0146

■ 22.4610, 39.6619,
16.7913


■ 42.9520, 49.5572,
47.9417


■ 21.1074, 39.0280,
13.8415


■ 48.7861, 52.4009,
55.6188


■ 20.2102, 38.6174,
11.4514


■ 55.3960, 55.6282,
64.0675

 19.7800, 38.4253,
10.0913

 62.8091, 59.2530,
73.3086

 71.0514, 63.2881,
83.3621

 76.6032, 65.9186,
94.0814

 78.3608, 66.6217,
103.3369

Harmonies

Analogous

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



34.2533, 43.1762, 19.6315



29.8034, 43.1762, 29.3173



28.2805, 43.1762, 47.0524

Triad

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



29.8034, 43.1762, 29.3173



41.0519, 43.1762, 101.3388



54.7732, 43.1762, 29.2657

Complementary

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



29.8034, 43.1762, 29.3173



34.7310, 25.3546, 40.6008

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.



57.1490, 43.1762, 46.9707



29.8034, 43.1762, 29.3173



48.6634, 43.1762, 92.3823

Square

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



29.8034, 43.1762, 29.3173



34.2752, 43.1762, 92.4463



54.7905, 43.1762, 70.6889



48.6358, 43.1762, 19.6087

Rectangle

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



29.8034, 43.1762, 29.3173



28.9658, 43.1762, 62.5840



54.7905, 43.1762, 70.6889



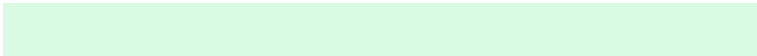
56.0692, 43.1762, 34.2636

Sweetspot

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



29.8045, 43.1780, 29.3183



76.7312, 88.6596, 85.6023



38.3521, 47.7564, 21.9486



16.0029, 18.7972, 17.7484



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.8045, 43.1780, 29.3183



48.0246, 74.7511, 44.0323



33.2411, 44.5526, 47.4152



10.0615, 11.3057, 11.3274



13.1859, 25.5684, 6.8721



0.6005, 1.1171, 0.4592

Inverse Universe

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



34.7310, 25.3546, 40.6008



58.0238, 38.4968, 66.8744



31.4646, 24.0481, 23.4002



10.3691, 10.1963, 12.0343



17.6760, 8.7601, 16.7375



0.7924, 0.3900, 0.8741

Previews

White Background



This preview shows how the XYZ color 29.8034, 43.1762, 29.3173 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 29.8034, 43.1762, 29.3173 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 29.8034, 43.1762, 29.3173

Background



This preview shows how black text looks on a background with the XYZ color 29.8034, 43.1762, 29.3173.

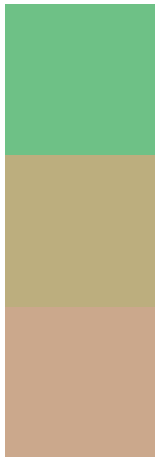


This preview shows how white text looks on a background with the XYZ color 29.8034, 43.1762,

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

29.8034, 43.1762, 29.3173

Protanopia

39.6410, 42.4698, 25.8469

Deuteranopia

43.3649, 42.5952, 30.7471



Tritanopia

36.2317, 43.2280, 61.0778

Trichromacy



Original Color

29.8034, 43.1762, 29.3173

Protanomaly

34.9835, 42.1063, 27.0524

Deuteranomaly

36.6718, 41.7143, 30.1636

Tritanomaly

33.5654, 43.0941, 47.6232

Monochromacy



Original Color

29.8034, 43.1762, 29.3173

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.6848, 37.8723, 34.9183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8034, 43.1762, 29.3173 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(110, 193, 134)` looks like.

```
.text, #text, p{  
    color:rgb(110, 193, 134)  
}
```

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(110, 193, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 193, 134) }
```

Border

The CSS property to change the border of an element to XYZ 29.8034, 43.1762, 29.3173 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(110, 193, 134) }
```


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

```
.border{ border-color:rgb(110, 193, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 193, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 193, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 193, 134);  
box-shadow:4px 4px 4px 4px rgb(110, 193,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8034, 43.1762, 29.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 193, 134) }
```

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

```
.background{ background-color: rgb(110,  
193, 134) }
```

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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