

Converting Colors

XYZ(29.0067, 44.0894, 21.6019)

Have a look what the booklet for
XYZ(29.0067, 44.0894, 21.6019)
contains.

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Color

**XYZ(28.9848, 43.9206,
21.7017)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC46E
RGB	110, 196, 110
RGB Percent	43%, 77%, 43%
CMY	0.5686, 0.2314, 0.5686
CMYK	0.44, 0.00, 0.44, 0.23
HSL	120°, 42%, 60%
HSV	120°, 44%, 77%
XYZ	28.9848, 43.9206, 21.7017
YIQ	160.4820, -23.6500, -44.9780

Conversions

Conversions Part 2

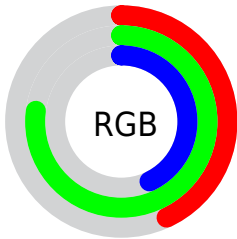
Format	Color
RYB	110, 196, 196
Decimal	7259246
CIELab	72.18, -43.52, 35.20
CIELCh	72, 55.972, 141.032
Yxy	43.9206, 0.3064, 0.4642
Android (android.graphics.Color)	4285449326 (0xFF6EC46E)
YUV	160.4820, -24.8876, -44.2727
Hunter-Lab	66.2726, -37.9088, 26.9757

Details

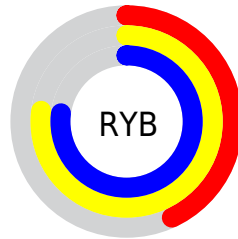
The XYZ color **28.9848, 43.9206, 21.7017** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.3060, 26.8740, 55.3942**, and the grayscale version is **33.7565, 35.5144, 38.6752**.

A 20% lighter version of the original color is **57.4620, 81.0019, 47.2567**, and **11.8618, 20.1603, 7.5411** is the 20% darker color. If you saturate the color by 10%, you get **25.8589, 42.4204, 16.5879**, and if you desaturate by 10%, it is **32.8883, 45.7970, 28.0857**.

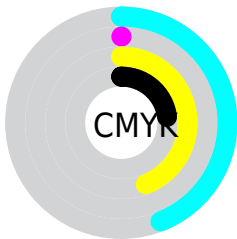
Distribution



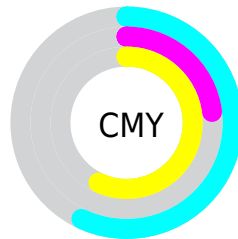
- Red (43%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (77%)



- Cyan (44%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)



- Cyan (57%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9848, 43.9206, 21.7017 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 28.9848, 43.9206, 21.7017 by changing the saturation by 10% instead.

■ 28.9848, 43.9206,
21.7017

■ 28.9848, 43.9206,
21.7017

289.1387,
362.3842, 273.8870

■ 19.2135, 30.6081,
13.4417

■ 57.4507, 81.0983,
47.1483

■ 11.9296, 20.3006,
7.5991

■ 76.8760, 105.7322,
65.1720

■ 6.7676, 12.6137,
3.7554

■ 100.2500,
134.9087, 87.2873

■ 3.3622, 7.1631,
1.4922

■ 127.9382,
169.0122, 113.9127

■ 1.3481, 3.5643,
0.2121

160.3058,
208.4272, 145.4669

■ 0.2188, 1.4330,
0.0000

197.7181,

■ 0.0000, 0.2408,

253.5379, 182.3683

0.0000

240.5407,
304.7287, 225.0355

■ 0.0000, 0.0000,
0.0000

■ 28.9848, 43.9206,
21.7017

■ 28.9848, 43.9206,
21.7017

■ 25.8589, 42.4204,
16.5879

■ 32.8883, 45.7970,
28.0857

■ 23.4557, 41.2660,
12.6569

■ 37.6130, 48.0665,
35.8139

■ 21.7181, 40.4314,
9.8148


■ 43.2034, 50.7518,
44.9580


■ 20.5794, 39.8844,
7.9521


■ 49.6997, 53.8723,
55.5837


■ 19.9588, 39.5863,
6.9369

■ 57.1395, 57.4461,
67.7528

 19.7408, 39.4816,
6.5803

 65.5584, 61.4901,
81.5234

 74.9902, 66.0207,
96.9507

 79.0308, 67.9615,
103.5603

Harmonies

Analogous

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



35.4698, 43.9206, 13.5221



28.9848, 43.9206, 21.7017



26.0490, 43.9206, 40.0518

Triad

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



28.9848, 43.9206, 21.7017



38.9357, 43.9206, 121.2714



61.4346, 43.9206, 31.2599

Complementary

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



28.9848, 43.9206, 21.7017



38.3060, 26.8740, 55.3942

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.



62.7417, 43.9206, 56.5375



28.9848, 43.9206, 21.7017



48.7203, 43.9206, 116.0065

Square

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



28.9848, 43.9206, 21.7017



31.1875, 43.9206, 101.7673



57.7894, 43.9206, 89.3250



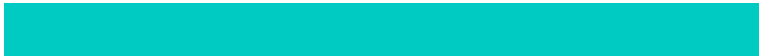
54.4514, 43.9206, 17.3884

Rectangle

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



28.9848, 43.9206, 21.7017



26.1333, 43.9206, 58.6584



57.7894, 43.9206, 89.3250



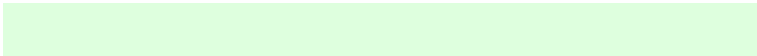
62.5905, 43.9206, 38.4099

Sweetspot

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



28.9859, 43.9224, 21.7027



79.0031, 92.2918, 82.6525



45.3212, 52.3436, 22.4668



16.3887, 19.5039, 16.8385



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.9859, 43.9224, 21.7027



46.8661, 76.8548, 30.0867



31.9213, 45.0966, 37.1601



9.9445, 11.2588, 10.7110



12.6838, 25.3676, 4.2280



0.5480, 1.0961, 0.1827

Inverse Universe

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



38.3060, 26.8740, 55.3942



65.9881, 41.8767, 99.2110



34.0919, 25.1883, 33.2030



10.4973, 10.2475, 12.7095



21.0295, 10.1015, 34.3968



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 28.9848, 43.9206, 21.7017 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 28.9848, 43.9206, 21.7017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

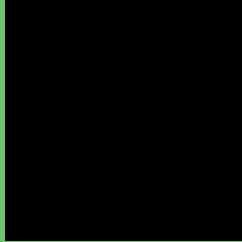
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9848, 43.9206, 21.7017

Background



This preview shows how black text looks on a background with the XYZ color 28.9848, 43.9206, 21.7017.



This preview shows how white text looks on a background with the XYZ color 28.9848, 43.9206,

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

28.9848, 43.9206, 21.7017

Protanopia

39.9658, 43.3674, 19.0963

Deuteranopia

44.0775, 43.1385, 22.8331



Tritanopia

36.8863, 43.8771, 61.1686

Trichromacy



Original Color

28.9848, 43.9206, 21.7017



Protanomaly

34.6393, 42.6941, 20.0508



Deuteranomaly

36.4132, 42.0544, 22.1177



Tritanomaly

33.2737, 43.6819, 43.2370

Monochromacy



Original Color

28.9848, 43.9206, 21.7017



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.9814, 37.5909, 31.2141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9848, 43.9206, 21.7017 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, 196, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 196, 110)  
}
```

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, 196, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 196, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.9848, 43.9206, 21.7017 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, 196, 110) }
```


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

```
.border{ border-color:rgb(110, 196, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 196, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 196, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 196, 110);  
box-shadow:4px 4px 4px 4px rgb(110, 196,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9848, 43.9206, 21.7017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 196, 110) }
```

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

```
.background{ background-color: rgb(110,  
196, 110) }
```

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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