

Converting Colors

XYZ(42.7409, 53.9918, 28.5909)

Have a look what the booklet for
XYZ(42.7409, 53.9918, 28.5909)
contains.

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Color

**XYZ(42.7409, 53.9918,
28.5909)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCD80
RGB	172, 205, 128
RGB Percent	67%, 80%, 50%
CMY	0.3255, 0.1961, 0.4980
CMYK	0.16, 0.00, 0.38, 0.20
HSL	86°, 44%, 65%
HSV	86°, 38%, 80%
XYZ	42.7409, 53.9918, 28.5909
YIQ	186.3550, 5.0490, -30.9430

Conversions

Conversions Part 2

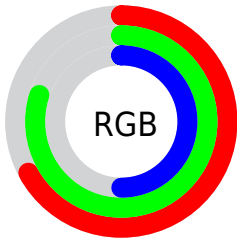
Format	Color
RYB	128, 205, 161
Decimal	11324800
CIELab	78.46, -24.08, 34.79
CIELCh	78, 42.305, 124.690
Yxy	53.9918, 0.3410, 0.4308
Android (android.graphics.Color)	4289514880 (0xFFACCD80)
YUV	186.3550, -28.7690, -12.5893
Hunter-Lab	73.4791, -24.7596, 28.3655

Details

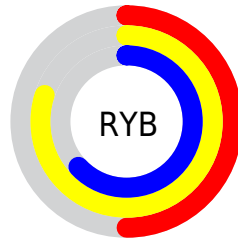
The XYZ color **42.7409, 53.9918, 28.5909** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.4388, 27.4247, 61.2917**, and the grayscale version is **47.0269, 49.4759, 53.8793**.

A 20% lighter version of the original color is **76.1984, 91.3914, 57.8802**, and **19.8774, 26.5206, 11.0925** is the 20% darker color. If you saturate the color by 10%, you get **39.6608, 52.5461, 22.1008**, and if you desaturate by 10%, it is **46.2238, 55.6170, 36.5250**.

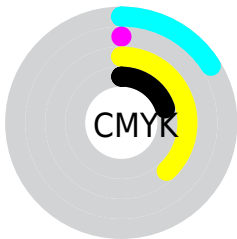
Distribution



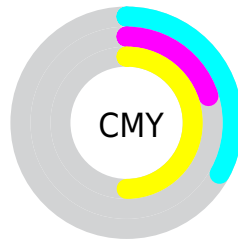
- Red (67%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (63%)



- Cyan (16%)
- Magenta (0%)
- Yellow (38%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7409, 53.9918, 28.5909 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 42.7409, 53.9918, 28.5909 by changing the saturation by 10% instead.

■ 42.7409, 53.9918,
28.5909

■ 42.7409, 53.9918,
28.5909

348.4847,
402.0787, 309.2801

■ 29.8755, 38.5951,
18.5287

■ 78.5779, 96.0622,
58.4609

■ 19.8917, 26.4449,
11.1568

■ 102.2802,
123.5047, 79.1057

■ 12.4242, 17.1568,
6.0569

■ 130.3255,
155.7313, 104.1151

■ 7.1075, 10.3463,
2.8104

163.0792,
193.1263, 133.9077

■ 3.5763, 5.6292,
0.9986

200.9066,
236.0741, 168.9019

■ 1.4654, 2.6209,
0.0000

244.1731,

■ 0.3021, 0.9372,

284.9592, 209.5163

0.0000

293.2440,
340.1660, 256.1696

■ 0.0000, 0.0000,
0.0000

■ 42.7409, 53.9918,
28.5909

■ 42.7409, 53.9918,
28.5909

■ 39.6608, 52.5461,
22.1008

■ 46.2238, 55.6170,
36.5250

■ 36.9607, 51.2650,
16.9642

■ 50.1231, 57.4220,
45.9795

■ 34.6209, 50.1422,
13.0857


■ 54.4565, 59.4158,
57.0296


■ 32.6181, 49.1681,
10.3561


■ 59.2392, 61.6049,
69.7442


■ 30.9255, 48.3316,
8.6472


■ 64.4859, 63.9954,
84.1886


 29.5061, 47.6176,
7.7796

 70.2103, 66.5930,
100.4243

 29.1870, 47.4563,
7.6217

 73.6528, 68.2941,
103.9079

 76.6016, 69.8143,
104.0459

 79.6954, 71.4092,
104.1907

Harmonies

Analogous

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



50.0206, 53.9918, 23.9286



42.7409, 53.9918, 28.5909



38.1721, 53.9918, 41.2964

Triad

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



42.7409, 53.9918, 28.5909



44.7780, 53.9918, 110.6917



68.9691, 53.9918, 55.1208

Complementary

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



42.7409, 53.9918, 28.5909



33.4388, 27.4247, 61.2917

Split Complementary

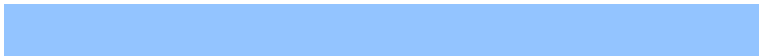
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1800, 53.9918, 80.6297



42.7409, 53.9918, 28.5909



52.6368, 53.9918, 117.2904

Square

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



42.7409, 53.9918, 28.5909



39.2560, 53.9918, 88.9075



60.9711, 53.9918, 105.0772



65.6268, 53.9918, 36.3783

Rectangle

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



42.7409, 53.9918, 28.5909



36.9804, 53.9918, 54.6493



60.9711, 53.9918, 105.0772



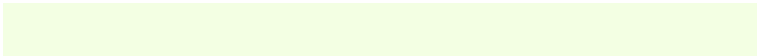
68.9507, 53.9918, 63.1303

Sweetspot

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



42.7423, 53.9942, 28.5921



86.5726, 96.1140, 86.6259



41.6604, 39.7101, 25.8920



18.3200, 20.4757, 18.0039



0.0000, 0.0000, 0.0000



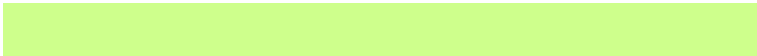
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7423, 53.9942, 28.5921



65.9148, 86.5164, 38.1330



35.6274, 50.3263, 28.2591



11.6714, 12.8480, 11.9442



18.2798, 29.5989, 4.7497



1.0288, 1.5712, 0.2490

Inverse Universe

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



33.4388, 27.4247, 61.2917



48.5586, 36.9236, 99.1754



42.1835, 31.9328, 61.7009



11.0501, 11.0751, 14.1257



9.4617, 4.0852, 36.2461



0.5744, 0.2552, 1.8739

Previews

White Background



This preview shows how the XYZ color 42.7409, 53.9918, 28.5909 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 42.7409, 53.9918, 28.5909 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

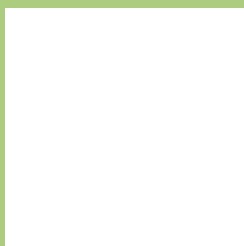
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7409, 53.9918, 28.5909

Background



This preview shows how black text looks on a background with the XYZ color 42.7409, 53.9918, 28.5909.



This preview shows how white text looks on a background with the XYZ color 42.7409, 53.9918,

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

42.7409, 53.9918, 28.5909

Protanopia

49.7938, 53.8877, 26.8457

Deuteranopia

54.4688, 53.3528, 29.2571



Tritanopia

50.9151, 53.8737, 68.6879

Trichromacy



Original Color

42.7409, 53.9918, 28.5909

Protanomaly

46.9217, 53.7392, 27.3017

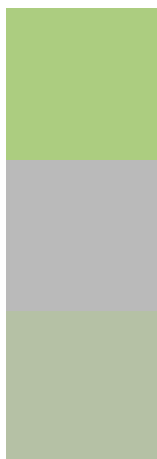
Deuteranomaly

49.5247, 53.0396, 29.1002

Tritanomaly

47.4840, 53.8454, 51.0705

Monochromacy



Original Color

42.7409, 53.9918, 28.5909

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.9176, 50.6803, 43.0122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7409, 53.9918, 28.5909 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(172, 205, 128)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 128)  
}
```

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(172, 205, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 128) }
```

Border

The CSS property to change the border of an element to XYZ 42.7409, 53.9918, 28.5909 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(172, 205, 128) }
```


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

```
.border{ border-color:rgb(172, 205, 128) }
```

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

Here you see how a box with a 4 pixel rgb(172, 205, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 128);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7409, 53.9918, 28.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 128) }
```

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

```
.background{ background-color: rgb(172,  
205, 128) }
```

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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