Converting Colors

XYZ(42.7423, 53.9942, 28.5921)

Have a look what the booklet for XYZ(42.7423, 53.9942, 28.5921) contains.

XYZ(42.7409, 53.9918, 28.5909) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

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

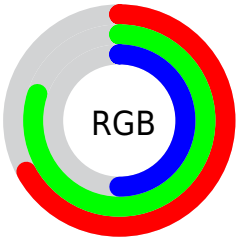
Format	Color
RYB	128, 205, 161
Decimal	11324800
CIELab	78.46, -24.08, 34.79
CIELCh	78, 42.305, 124.690
Yxy	53.9918, 0.3410, 0.4308
Android (android.graphics.Color)	4289514880 (0xFFACCD80)
YUV	186.3550, -28.7690, -12.5893
Hunter-Lab	73.4791, -24.7596, 28.3655

Details

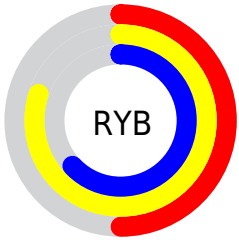
The XYZ color 42.7409, 53.9918, 28.5909 is a light color, and the websafe version is hex 99CC66. A complement of this color would be 33.4388, 27.4247, 61.2917, and the grayscale version is 47.0269, 49.4759, 53.8793.

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.

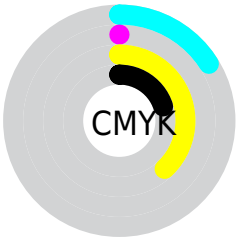
Distribution



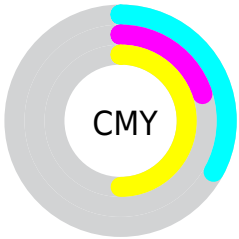
- Red (67%)
- Green (80%)
- Blue (50%)



- 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

29.1870, 47.4563, 7.6217

70.2103, 66.5930, 100.4243

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

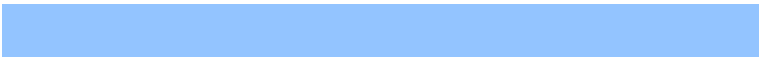
33.4388, 27.4247, 61.2917

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

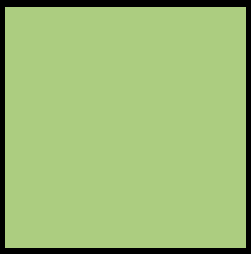
White Background

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



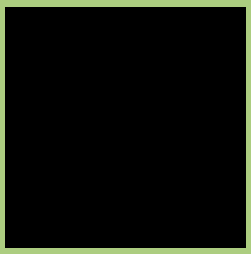
This preview shows how the XYZ color 42.7409, 53.9918, 28.5909 looks on a black background.

Color Contrast Check

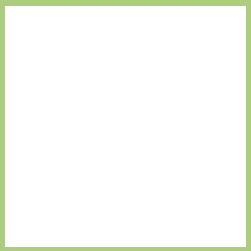
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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.



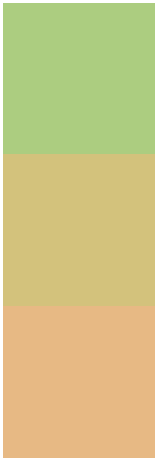
This preview shows how white text looks on a background with the XYZ color 42.7409, 53.9918,

28.5909.

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



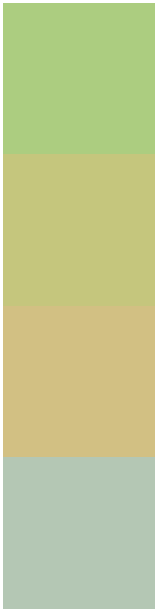
Original Color
42.7409, 53.9918, 28.5909

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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