

Converting Colors

XYZ(42.9899, 56.4974, 33.4586)

Have a look what the booklet for
XYZ(42.9899, 56.4974, 33.4586)
contains.

XYZ(42.9750, 56.5575, 33.4626)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.9750, 56.5575,
33.4626)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D48C
RGB	161, 212, 140
RGB Percent	63%, 83%, 55%
CMY	0.3686, 0.1686, 0.4510
CMYK	0.24, 0.00, 0.34, 0.17
HSL	103°, 46%, 69%
HSV	103°, 34%, 83%
XYZ	42.9750, 56.5575, 33.4626
YIQ	188.5430, -7.2840, -33.2040

Conversions

Conversions Part 2

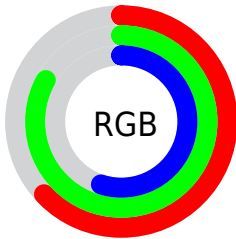
Format	Color
RYB	140, 212, 191
Decimal	10605708
CIELab	79.93, -29.73, 30.43
CIElCh	80, 42.541, 134.334
Yxy	56.5575, 0.3231, 0.4253
Android (android.graphics.Color)	4288795788 (0xFFA1D48C)
YUV	188.5430, -23.9317, -24.1552
Hunter-Lab	75.2047, -29.6062, 26.2620

Details

The XYZ color **42.9750, 56.5575, 33.4626** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.7502, 34.5877, 66.7134**, and the grayscale version is **48.2452, 50.7578, 55.2752**.

A 20% lighter version of the original color is **74.1129, 90.1668, 64.5367**, and **20.0445, 28.0234, 13.8038** is the 20% darker color. If you saturate the color by 10%, you get **38.7135, 54.5259, 25.8745**, and if you desaturate by 10%, it is **47.9041, 58.9019, 42.6564**.

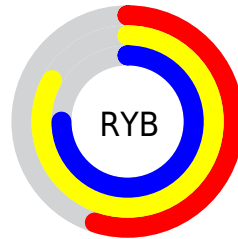
Distribution



Red (63%)

Green (83%)

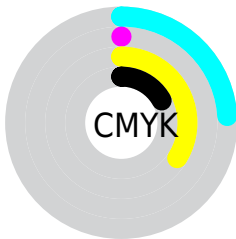
Blue (55%)



Red (55%)

Yellow (83%)

Blue (75%)

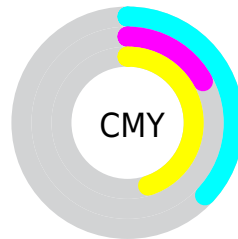


Cyan (24%)

Magenta (0%)

Yellow (34%)

Black (17%)



Cyan (37%)

Magenta (17%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9750, 56.5575, 33.4626 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 42.9750, 56.5575, 33.4626 by changing the saturation by 10% instead.

■ 42.9750, 56.5575,
33.4626

■ 42.9750, 56.5575,
33.4626

349.4322,
411.7891, 332.4248

■ 30.0599, 40.6501,
22.2070

■ 78.9291, 99.8192,
66.2214

■ 20.0324, 28.0458,
13.8093

■ 102.6988,
127.9423, 88.5617

■ 12.5270, 18.3602,
7.8509

■ 130.8175,
160.9061, 115.4341

■ 7.1784, 11.2089,
3.9133

163.6504,
199.0950, 147.2570

■ 3.6212, 6.2075,
1.5779

201.5630,
242.8933, 184.4489

■ 1.4902, 2.9717,
0.2750

244.9206,

■ 0.3191, 1.1170,

292.6855, 227.4286

0.0000

294.0885,
348.8560, 276.6143

■ 0.0000, 0.0000,
0.0000

■ 42.9750, 56.5575,
33.4626

■ 42.9750, 56.5575,
33.4626

■ 38.7135, 54.5259,
25.8745

■ 47.9041, 58.9019,
42.6564

■ 35.0851, 52.7861,
19.7964

■ 53.5248, 61.5644,
53.5368

■ 32.0586, 51.3261,
15.1280


■ 59.8647, 64.5594,
66.1838


■ 29.5980, 50.1297,
11.7557


■ 66.9491, 67.8982,
80.6712

■ 27.6630, 49.1790,
9.5479

■ 74.8016, 71.5916,
97.0685

 26.2068, 48.4534,
8.3452

 81.4169, 74.8384,
104.7619

 25.5204, 48.1079,
7.9407

 82.8347, 75.5693,
104.8282

Harmonies

Analogous

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



49.7524, 56.5575, 26.0629



42.9750, 56.5575, 33.4626



39.3111, 56.5575, 49.6206

Triad

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



42.9750, 56.5575, 33.4626



49.3992, 56.5575, 119.5997



71.4871, 56.5575, 50.5509

Complementary

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



42.9750, 56.5575, 33.4626



42.7502, 34.5877, 66.7134

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.



71.3663, 56.5575, 75.3248



42.9750, 56.5575, 33.4626



57.9693, 56.5575, 120.0456

Square

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



42.9750, 56.5575, 33.4626



42.7403, 56.5575, 101.1147



66.2047, 56.5575, 102.2065



66.5188, 56.5575, 33.9858

Rectangle

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



42.9750, 56.5575, 33.4626



38.8511, 56.5575, 65.2423



66.2047, 56.5575, 102.2065



72.0558, 56.5575, 58.0603

Sweetspot

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



42.9764, 56.5599, 33.4638



84.8767, 95.1987, 88.3970



50.3876, 52.8934, 32.3655



17.8807, 20.2411, 18.3522



0.0000, 0.0000, 0.0000



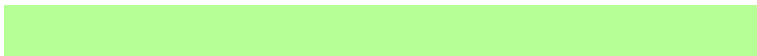
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9764, 56.5599, 33.4638



60.3433, 83.5530, 41.9914



40.2266, 55.0115, 39.2461



12.5993, 14.0696, 13.2124



15.8414, 29.7429, 4.9060



1.0374, 1.8362, 0.2997

Inverse Universe

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



42.7502, 34.5877, 66.7134



59.9271, 45.1055, 100.1555



46.6786, 36.8135, 57.8325



12.5839, 12.4424, 15.6759



15.2251, 7.0013, 39.0021



0.9988, 0.4638, 2.3562

Previews

White Background



This preview shows how the XYZ color 42.9750, 56.5575, 33.4626 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 42.9750, 56.5575, 33.4626 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 42.9750, 56.5575, 33.4626

Background



This preview shows how black text looks on a background with the XYZ color 42.9750, 56.5575, 33.4626.



This preview shows how white text looks on a background with the XYZ color 42.9750, 56.5575,

33.4626.

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

42.9750, 56.5575, 33.4626

Protanopia

52.0009, 55.9499, 30.6129

Deuteranopia

57.2401, 55.9320, 34.5671



Tritanopia

51.2310, 56.3017, 74.4968

Trichromacy



Original Color

42.9750, 56.5575, 33.4626

Protanomaly

48.0701, 55.6207, 31.4949

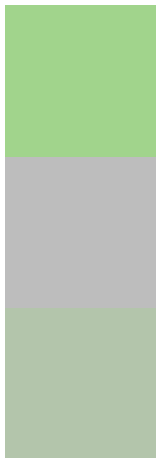
Deuteranomaly

50.6563, 55.1811, 33.9677

Tritanomaly

47.7278, 56.2953, 57.0658

Monochromacy



Original Color

42.9750, 56.5575, 33.4626

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.9073, 52.4565, 46.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9750, 56.5575, 33.4626 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(161, 212, 140)` looks like.

```
.text, #text, p{  
    color:rgb(161, 212, 140)  
}
```

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(161, 212, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 212, 140) }
```

Border

The CSS property to change the border of an element to XYZ 42.9750, 56.5575, 33.4626 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(161, 212, 140) }
```


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

```
.border{ border-color:rgb(161, 212, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 212, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 212, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 212, 140); box-shadow:4px 4px 4px 4px rgb(161, 212, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9750, 56.5575, 33.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 212, 140) }
```

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

```
.background{ background-color: rgb(161,  
212, 140) }
```

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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