

Converting Colors

XYZ(42.9204, 56.3267, 35.5677)

Have a look what the booklet for
XYZ(42.9204, 56.3267, 35.5677)
contains.

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Color

**XYZ(42.9524, 56.5022,
35.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD491
RGB	159, 212, 145
RGB Percent	62%, 83%, 57%
CMY	0.3765, 0.1686, 0.4314
CMYK	0.25, 0.00, 0.32, 0.17
HSL	107°, 44%, 70%
HSV	107°, 32%, 83%
XYZ	42.9524, 56.5022, 35.4303
YIQ	188.5150, -10.0810, -32.0730

Conversions

Conversions Part 2

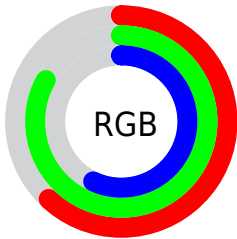
Format	Color
RYB	145, 212, 198
Decimal	10474641
CIELab	79.90, -29.66, 27.78
CIELCh	80, 40.639, 136.876
Yxy	56.5022, 0.3184, 0.4189
Android (android.graphics.Color)	4288664721 (0xFF9FD491)
YUV	188.5150, -21.4529, -25.8847
Hunter-Lab	75.1679, -29.5456, 24.6713

Details

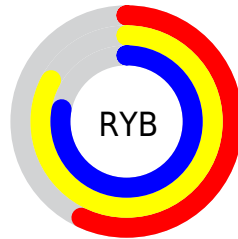
The XYZ color **42.9524, 56.5022, 35.4303** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.3002, 37.0117, 67.0467**, and the grayscale version is **48.2167, 50.7277, 55.2425**.

A 20% lighter version of the original color is **74.0931, 90.0906, 67.5169**, and **20.0212, 27.9863, 14.9363** is the 20% darker color. If you saturate the color by 10%, you get **38.3650, 54.3106, 27.4641**, and if you desaturate by 10%, it is **48.2991, 59.0534, 45.0268**.

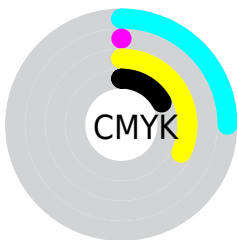
Distribution



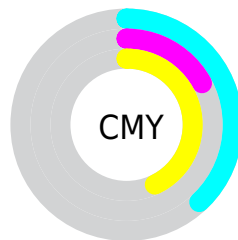
- Red (62%)
- Green (83%)
- Blue (57%)



- Red (57%)
- Yellow (83%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (32%)
- Black (17%)





- Cyan (38%)
- Magenta (17%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9524, 56.5022, 35.4303 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 42.9524, 56.5022, 35.4303 by changing the saturation by 10% instead.


 42.9524, 56.5022,
35.4303


 42.9524, 56.5022,
35.4303


349.3408,
411.5814, 341.4254

 30.0421, 40.6057,
23.7083


 78.8952, 99.7385,
69.3110

 20.0188, 28.0111,
14.9072


 102.6584,
127.8470, 92.3067

 12.5171, 18.3340,
8.6084


130.7700,
160.7951, 119.8975

 7.1715, 11.1901,
4.3933

163.5953,
198.9670, 152.5018

 3.6169, 6.1948,
1.8435

201.4997,
242.7472, 190.5382

 1.4878, 2.9639,
0.4564

244.8485,

 0.3175, 1.1129,

292.5201, 234.4252

0.0000

294.0071,
348.6700, 284.5815

■ 0.0000, 0.0000,
0.0000

■ 42.9524, 56.5022,
35.4303

■ 42.9524, 56.5022,
35.4303

■ 38.3650, 54.3106,
27.4641

■ 48.2991, 59.0534,
45.0268

■ 34.4974, 52.4551,
21.0339

■ 54.4335, 61.9718,
56.3331

■ 31.3132, 50.9207,
16.0419

■ 61.3877, 65.2742,
69.4283

■ 28.7708, 49.6886,
12.3773

■ 69.1908, 68.9739,
84.3852

■ 26.8238, 48.7374,
9.9130

■ 77.8705, 73.0836,
101.2728

■ 25.4189, 48.0430,
8.4972

■ 82.8346, 75.5692,
104.8282

■ 24.5960, 47.6312,
7.8974

Harmonies

Analogous

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



49.2353, 56.5022, 27.5212



42.9524, 56.5022, 35.4303



39.7076, 56.5022, 51.7856

Triad

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



42.9524, 56.5022, 35.4303



50.1869, 56.5022, 117.1185



70.3318, 56.5022, 49.2693

Complementary

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



42.9524, 56.5022, 35.4303



45.3002, 37.0117, 67.0467

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.



70.6536, 56.5022, 72.4066



42.9524, 56.5022, 35.4303



58.4345, 56.5022, 115.9414

Square

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



42.9524, 56.5022, 35.4303



43.5875, 56.5022, 100.9260



66.1141, 56.5022, 98.0322



65.2751, 56.5022, 33.9960

Rectangle

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



42.9524, 56.5022, 35.4303



39.4630, 56.5022, 67.1140



66.1141, 56.5022, 98.0322



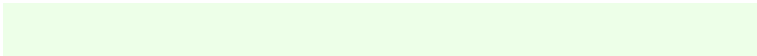
71.0141, 56.5022, 56.2483

Sweetspot

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



42.9539, 56.5046, 35.4315



85.2059, 95.3269, 90.2903



52.3408, 56.1963, 34.8773



17.9180, 20.2520, 18.7280



0.0000, 0.0000, 0.0000



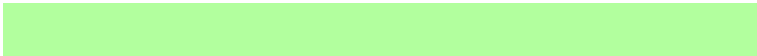
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9539, 56.5046, 35.4315



60.3796, 83.4979, 45.3273



41.9216, 55.7890, 43.6743



12.5024, 14.0197, 13.2078



15.2516, 29.4388, 4.8784



0.9900, 1.8118, 0.2975

Inverse Universe

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



45.3002, 37.0117, 67.0467



64.4740, 49.3283, 100.7309



46.9063, 38.1004, 55.3459



12.6872, 12.4957, 15.6807



17.3530, 8.0983, 39.1017



1.1119, 0.5221, 2.3615

Previews

White Background



This preview shows how the XYZ color 42.9524, 56.5022, 35.4303 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 42.9524, 56.5022, 35.4303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

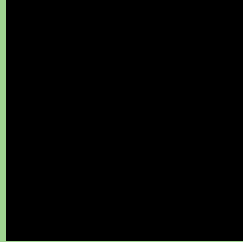
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9524, 56.5022, 35.4303

Background



This preview shows how black text looks on a background with the XYZ color 42.9524, 56.5022, 35.4303.



This preview shows how white text looks on a background with the XYZ color 42.9524, 56.5022,

35.4303.

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

42.9524, 56.5022, 35.4303

Protanopia

52.0670, 55.9427, 32.4799

Deuteranopia

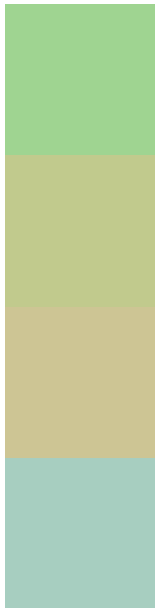
56.9813, 55.7530, 36.6123



Tritanopia

50.9367, 56.4843, 75.2357

Trichromacy



Original Color

42.9524, 56.5022, 35.4303

Protanomaly

47.9206, 55.5016, 33.3865

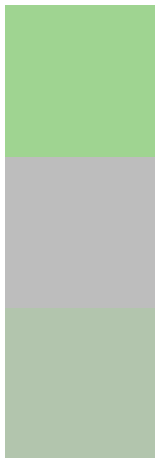
Deuteranomaly

50.4884, 55.0498, 35.9816

Tritanomaly

47.5221, 56.1639, 58.2052

Monochromacy



Original Color

42.9524, 56.5022, 35.4303

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.8692, 52.4146, 47.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9524, 56.5022, 35.4303 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(159, 212, 145)` looks like.

```
.text, #text, p{  
    color:rgb(159, 212, 145)  
}
```

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(159, 212, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 212, 145) }
```

Border

The CSS property to change the border of an element to XYZ 42.9524, 56.5022, 35.4303 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(159, 212, 145) }
```


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

```
.border{ border-color:rgb(159, 212, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 212, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 212, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 212, 145);  
box-shadow:4px 4px 4px 4px rgb(159, 212,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9524, 56.5022, 35.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 212, 145) }
```

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

```
.background{ background-color: rgb(159,  
212, 145) }
```

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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