

Converting Colors

XYZ(42.6012, 56.5114, 19.3585)

Have a look what the booklet for
XYZ(42.6012, 56.5114, 19.3585)
contains.

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Color

**XYZ(42.7974, 56.7794,
19.2935)**

Conversions

Conversions Part 1

Format	Color
Hex	ADD45E
RGB	173, 212, 94
RGB Percent	68%, 83%, 37%
CMY	0.3216, 0.1686, 0.6314
CMYK	0.18, 0.00, 0.56, 0.17
HSL	80°, 58%, 60%
HSV	80°, 56%, 83%
XYZ	42.7974, 56.7794, 19.2935
YIQ	186.8870, 14.6340, -44.9660

Conversions

Conversions Part 2

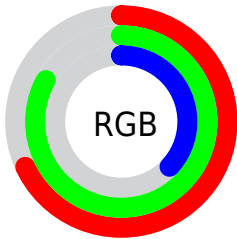
Format	Color
RYB	94, 212, 133
Decimal	11392094
CIELab	80.06, -30.80, 53.28
CIELCh	80, 61.539, 120.031
Yxy	56.7794, 0.3600, 0.4777
Android (android.graphics.Color)	4289582174 (0xFFADD45E)
YUV	186.8870, -45.7933, -12.1789
Hunter-Lab	75.3521, -30.4843, 37.5656

Details

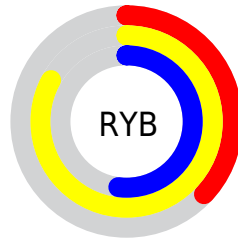
The XYZ color **42.7974, 56.7794, 19.2935** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **25.5616, 17.7470, 64.3690**, and the grayscale version is **47.4160, 49.8853, 54.3251**.

A 20% lighter version of the original color is **73.7384, 90.4811, 41.5951**, and **19.9112, 28.1187, 6.3855** is the 20% darker color. If you saturate the color by 10%, you get **40.4650, 55.6740, 14.8825**, and if you desaturate by 10%, it is **45.4751, 58.0362, 25.0865**.

Distribution



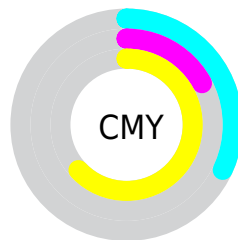
- Red (68%)
- Green (83%)
- Blue (37%)



- Red (37%)
- Yellow (83%)
- Blue (52%)



- Cyan (18%)
- Magenta (0%)
- Yellow (56%)
- Black (17%)



- Cyan (32%)
- Magenta (17%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7974, 56.7794, 19.2935 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 42.7974, 56.7794, 19.2935 by changing the saturation by 10% instead.

■ 42.7974, 56.7794,
19.2935

■ 42.7974, 56.7794,
19.2935

348.7136,
412.6222, 260.5408

■ 29.9200, 40.8282,
11.7036

■ 78.6627, 100.1432,
43.0727

■ 19.9257, 28.1848,
6.4221

■ 102.3812,
128.3246, 60.0992

■ 12.4490, 18.4650,
3.0305

■ 130.4443,
161.3515, 81.1082

■ 7.1246, 11.2844,
1.1102

■ 163.2171,
199.6083, 106.5183

■ 3.5872, 6.2584,
0.0000

201.0651,
243.4793, 136.7481

■ 1.4713, 3.0029,
0.0000

244.3536,

■ 0.3062, 1.1332,

293.3491, 172.2160

0.0000

293.4480,
349.6019, 213.3408

■ 0.0000, 0.0061,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7974, 56.7794,
19.2935

■ 42.7974, 56.7794,
19.2935

■ 40.4650, 55.6740,
14.8825

■ 45.4751, 58.0362,
25.0865

■ 38.4505, 54.7032,
11.7342


■ 48.5147, 59.4453,
32.3606


■ 36.7287, 53.8584,
9.7153


■ 51.9364, 61.0170,
41.2098


■ 35.2666, 53.1265,
8.6599


■ 55.7575, 62.7581,
51.7194


 34.6875, 52.8338,
8.3697

 59.9941, 64.6755,
63.9687

 64.6614, 66.7751,
78.0317

 69.7739, 69.0630,
93.9781

 73.9278, 70.9778,
104.4114

 76.2101, 72.1544,
104.5182

Harmonies

Analogous

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



53.9541, 56.7794, 15.3422



42.7974, 56.7794, 19.2935



35.6895, 56.7794, 33.3914

Triad

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



42.7974, 56.7794, 19.2935



42.8168, 56.7794, 142.8074



81.7852, 56.7794, 61.7858

Complementary

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



42.7974, 56.7794, 19.2935



25.5616, 17.7470, 64.3690

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.



77.6133, 56.7794, 103.0353



42.7974, 56.7794, 19.2935



53.9802, 56.7794, 159.5220

Square

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



42.7974, 56.7794, 19.2935



35.6994, 56.7794, 103.1263



66.9286, 56.7794, 142.7422



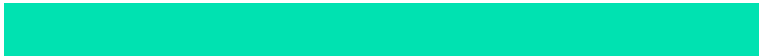
77.5967, 56.7794, 33.3484

Rectangle

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



42.7974, 56.7794, 19.2935



33.5666, 56.7794, 50.6434



66.9286, 56.7794, 142.7422



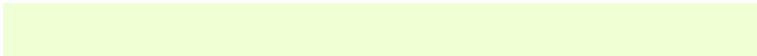
81.3068, 56.7794, 74.5377

Sweetspot

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



42.7988, 56.7819, 19.2947



83.7628, 94.8987, 75.9586



37.3395, 31.1383, 14.6327



17.6699, 20.1945, 15.5370



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.



42.7988, 56.7819, 19.2947



60.7935, 84.2397, 21.4741



32.7196, 51.5859, 18.8230



13.0554, 14.3048, 13.2337



21.5229, 32.6718, 5.1719



1.3839, 2.0148, 0.3160

Inverse Universe

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



25.5616, 17.7470, 64.3690



32.1528, 19.2138, 96.6217



37.2154, 23.7548, 64.9144



12.1255, 12.2061, 15.6544



8.9939, 3.7891, 38.7105



0.6287, 0.2730, 2.3389

Previews

White Background



This preview shows how the XYZ color 42.7974, 56.7794, 19.2935 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 42.7974, 56.7794, 19.2935 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 42.7974, 56.7794, 19.2935

Background



This preview shows how black text looks on a background with the XYZ color 42.7974, 56.7794, 19.2935.



This preview shows how white text looks on a background with the XYZ color 42.7974, 56.7794,

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

42.7974, 56.7794, 19.2935

Protanopia

51.5547, 56.3420, 17.8307

Deuteranopia

57.4600, 56.3700, 19.9086



Tritanopia

53.4282, 56.4445, 72.3689

Trichromacy



Original Color

42.7974, 56.7794, 19.2935

Protanomaly

47.8729, 56.1637, 18.2150

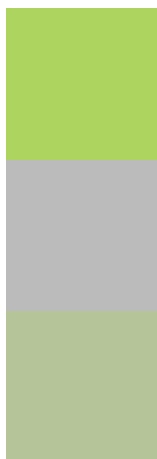
Deuteranomaly

51.0843, 55.7198, 19.6178

Tritanomaly

48.4720, 56.1933, 46.8197

Monochromacy



Original Color

42.7974, 56.7794, 19.2935

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

44.7811, 51.7248, 37.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7974, 56.7794, 19.2935 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(173, 212, 94)` looks like.

```
.text, #text, p{  
    color:rgb(173, 212, 94)  
}
```

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(173, 212, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 212, 94) }
```

Border

The CSS property to change the border of an element to XYZ 42.7974, 56.7794, 19.2935 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(173, 212, 94) }
```


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

```
.border{ border-color:rgb(173, 212, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 212, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 212, 94); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 212, 94); box-shadow:4px 4px 4px 4px rgb(173, 212, 94) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7974, 56.7794, 19.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 212, 94) }
```

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

```
.background{ background-color: rgb(173,  
212, 94) }
```

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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