

Converting Colors

XYZ(35.5040, 44.0242, 19.5911)

Have a look what the booklet for
XYZ(35.5040, 44.0242, 19.5911)
contains.

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Color

**XYZ(35.5746, 44.1166,
19.7371)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BA68
RGB	165, 186, 104
RGB Percent	65%, 73%, 41%
CMY	0.3529, 0.2706, 0.5921
CMYK	0.11, 0.00, 0.44, 0.27
HSL	75°, 37%, 57%
HSV	75°, 44%, 73%
XYZ	35.5746, 44.1166, 19.7371
YIQ	170.3730, 13.8060, -29.9540

Conversions

Conversions Part 2

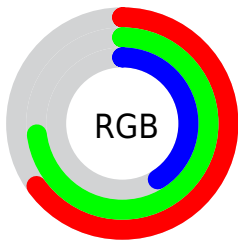
Format	Color
RYB	104, 186, 125
Decimal	10861160
CIELab	72.31, -20.30, 39.06
CIELCh	72, 44.022, 117.457
Yxy	44.1166, 0.3578, 0.4437
Android (android.graphics.Color)	4289051240 (0xFFA5BA68)
YUV	170.3730, -32.7219, -4.7121
Hunter-Lab	66.4203, -20.6313, 28.8759

Details

The XYZ color **35.5746, 44.1166, 19.7371** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.2725, 17.8070, 48.7201**, and the grayscale version is **38.5492, 40.5567, 44.1663**.

A 20% lighter version of the original color is **67.6567, 81.3107, 44.0269**, and **15.7355, 20.4861, 6.6149** is the 20% darker color. If you saturate the color by 10%, you get **33.7599, 43.2799, 15.2528**, and if you desaturate by 10%, it is **37.6368, 45.0597, 25.3225**.

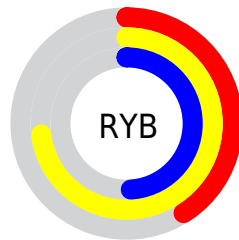
Distribution



Red (65%)

Green (73%)

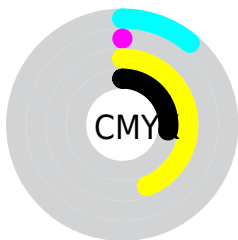
Blue (41%)



Red (41%)

Yellow (73%)

Blue (49%)

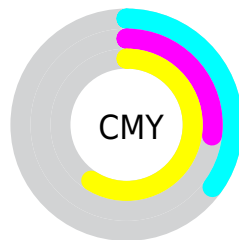


Cyan (11%)

Magenta (0%)

Yellow (44%)

Black (27%)



Cyan (35%)

Magenta (27%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5746, 44.1166, 19.7371 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 35.5746, 44.1166, 19.7371 by changing the saturation by 10% instead.

■ 35.5746, 44.1166,
19.7371

■ 35.5746, 44.1166,
19.7371

318.5611,
363.1839, 263.0453

■ 24.2744, 30.7622,
12.0219

■ 67.7031, 81.3932,
43.8291

■ 15.6631, 20.4178,
6.6359

■ 89.2622, 106.0841,
61.0431

■ 9.3754, 12.6991,
3.1605

■ 114.9716,
135.3227, 82.2603

■ 5.0459, 7.2217,
1.1771

■ 145.1967,
169.4933, 107.8994

■ 2.3093, 3.6011,
0.0000

180.3028,
208.9803, 138.3789

■ 0.7994, 1.4530,
0.0000

220.6554,

■ 0.0000, 0.2553,

254.1682, 174.1174

0.0000

266.6197,
305.4412, 215.5333

■ 0.0000, 0.0000,
0.0000

■ 35.5746, 44.1166,
19.7371

■ 35.5746, 44.1166,
19.7371

■ 33.7599, 43.2799,
15.2528

■ 37.6368, 45.0597,
25.3225

■ 32.1751, 42.5378,
11.7938

■ 39.9563, 46.1084,
32.0726

■ 30.8056, 41.8860,
9.2793


■ 42.5461, 47.2696,
40.0493


■ 29.6329, 41.3171,
7.6149


■ 45.4174, 48.5478,
49.3095


■ 28.6350, 40.8222,
6.6869


■ 48.5806, 49.9473,
59.9064

 28.1007, 40.5537,
6.3466

 52.0457, 51.4719,
71.8904

 55.8221, 53.1256,
85.3090

 59.9187, 54.9120,
100.2076

 61.5886, 55.7323,
102.1191

Harmonies

Analogous

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



42.5803, 44.1166, 17.2758



35.5746, 44.1166, 19.7371



30.8238, 44.1166, 28.9271

Triad

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



35.5746, 44.1166, 19.7371



34.5821, 44.1166, 92.4172



58.2101, 44.1166, 49.9079

Complementary

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



35.5746, 44.1166, 19.7371



22.2725, 17.8070, 48.7201

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.



55.4307, 44.1166, 74.1162



35.5746, 44.1166, 19.7371



41.2893, 44.1166, 102.8428

Square

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



35.5746, 44.1166, 19.7371



30.3011, 44.1166, 69.9226



49.0039, 44.1166, 95.3063



56.2118, 44.1166, 31.2710

Rectangle

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



35.5746, 44.1166, 19.7371



29.2728, 44.1166, 39.5430



49.0039, 44.1166, 95.3063



57.7968, 44.1166, 57.6643

Sweetspot

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



35.5757, 44.1186, 19.7380



77.5460, 85.8676, 73.9557



30.0205, 25.9809, 16.5299



16.8355, 18.8016, 15.5253



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.5757, 44.1186, 19.7380



61.2529, 78.4731, 27.7955



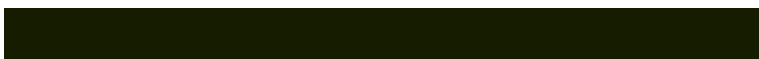
28.4437, 40.4419, 19.4043



9.5195, 10.3845, 9.6096



18.9765, 27.3191, 4.2729



0.7228, 0.9908, 0.1532

Inverse Universe

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



22.2725, 17.8070, 48.7201



34.0528, 24.6079, 87.1564



29.4361, 21.5000, 49.0554



8.7310, 8.8277, 11.3232



6.8317, 2.8331, 31.4398



0.3001, 0.1304, 1.1111

Previews

White Background



This preview shows how the XYZ color 35.5746, 44.1166, 19.7371 looks on a white background.

Color Contrast Check

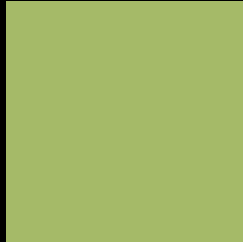
Large Text (above 18pt) WCAG AA × Fail

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 35.5746, 44.1166, 19.7371 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 35.5746, 44.1166, 19.7371

Background



This preview shows how black text looks on a background with the XYZ color 35.5746, 44.1166, 19.7371.



This preview shows how white text looks on a background with the XYZ color 35.5746, 44.1166,

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

35.5746, 44.1166, 19.7371

Protanopia

40.3192, 43.8532, 18.6514

Deuteranopia

44.6263, 43.7548, 20.2808



Tritanopia

42.7241, 43.9985, 54.9560

Trichromacy



Original Color

35.5746, 44.1166, 19.7371

Protanomaly

38.2480, 43.6691, 18.9835

Deuteranomaly

40.7488, 43.4572, 20.1503

Tritanomaly

39.5925, 43.9164, 39.1908

Monochromacy



Original Color

35.5746, 44.1166, 19.7371

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.8621, 41.4508, 33.2521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5746, 44.1166, 19.7371 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(165, 186, 104)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 104)  
}
```

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(165, 186, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 104) }
```

Border

The CSS property to change the border of an element to XYZ 35.5746, 44.1166, 19.7371 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(165, 186, 104) }
```


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

```
.border{ border-color:rgb(165, 186, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 104);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5746, 44.1166, 19.7371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 104) }
```

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

```
.background{ background-color: rgb(165,  
186, 104) }
```

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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