

Converting Colors

XYZ(42.6675, 53.7743, 36.2400)

Have a look what the booklet for
XYZ(42.6675, 53.7743, 36.2400)
contains.

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Color

**XYZ(42.6937, 53.8001,
36.1512)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CD94
RGB	165, 205, 148
RGB Percent	65%, 80%, 58%
CMY	0.3529, 0.1961, 0.4196
CMYK	0.20, 0.00, 0.28, 0.20
HSL	102°, 36%, 69%
HSV	102°, 28%, 80%
XYZ	42.6937, 53.8001, 36.1512
YIQ	186.5420, -5.5430, -26.2070

Conversions

Conversions Part 2

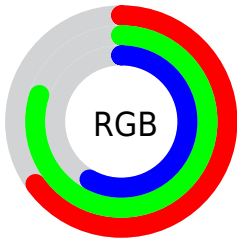
Format	Color
RYB	148, 205, 188
Decimal	10866068
CIELab	78.35, -23.74, 24.17
CIELCh	78, 33.879, 134.476
Yxy	53.8001, 0.3219, 0.4056
Android (android.graphics.Color)	4289056148 (0xFFA5CD94)
YUV	186.5420, -19.0012, -18.8923
Hunter-Lab	73.3486, -24.4612, 22.1218

Details

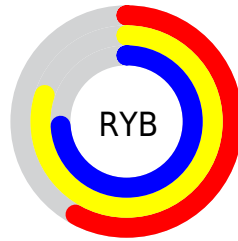
The XYZ color **42.6937, 53.8001, 36.1512** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.3505, 36.2804, 62.5312**, and the grayscale version is **47.0831, 49.5351, 53.9438**.

A 20% lighter version of the original color is **76.2395, 91.1564, 69.4538**, and **19.9064, 26.4410, 15.3637** is the 20% darker color. If you saturate the color by 10%, you get **38.3869, 51.7527, 28.2165**, and if you desaturate by 10%, it is **47.6274, 56.1407, 45.6176**.

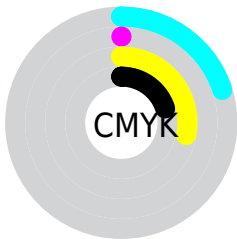
Distribution



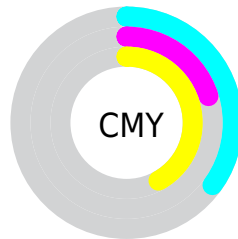
- Red (65%)
- Green (80%)
- Blue (58%)



- Red (58%)
- Yellow (80%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)



- Cyan (35%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6937, 53.8001, 36.1512 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 42.6937, 53.8001, 36.1512 by changing the saturation by 10% instead.

■ 42.6937, 53.8001,
36.1512

■ 42.6937, 53.8001,
36.1512

348.2935,
401.3473, 344.6783

■ 29.8383, 38.4419,
24.2604

■ 78.5070, 95.7807,
70.4370

■ 19.8634, 26.3258,
15.3129

■ 102.1957,
123.1718, 93.6691

■ 12.4035, 17.0675,
8.8902

130.2262,
155.3427, 121.5188

■ 7.0932, 10.2827,
4.5738

162.9639,
192.6777, 154.4044

■ 3.5673, 5.5868,
1.9451

200.7741,
235.5613, 192.7447

■ 1.4604, 2.5955,
0.5212

244.0222,

■ 0.2986, 0.9244,

284.3778, 236.9580

0.0000

293.0736,
339.5117, 287.4631

■ 0.0000, 0.0000,
0.0000

■ 42.6937, 53.8001,
36.1512

■ 42.6937, 53.8001,
36.1512

■ 38.3869, 51.7527,
28.2165

■ 47.6274, 56.1407,
45.6176

■ 34.6766, 49.9796,
21.7296

■ 53.2084, 58.7786,
56.6867

■ 31.5358, 48.4707,
16.6039

■ 59.4613, 61.7266,
69.4292

■ 28.9338, 47.2121,
12.7421

■ 66.4083, 64.9945,
83.9107

■ 26.8367, 46.1888,
10.0342

■ 74.0704, 68.5920,
100.1931

■ 25.2057, 45.3835,
8.3511

■ 79.7823, 71.4539,
104.1947

■ 23.9905, 44.7745,
7.5071

■ 81.1224, 72.1448,
104.2575

■ 23.7652, 44.6612,
7.3679

Harmonies

Analogous

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



48.0066, 53.8001, 29.8057



42.6937, 53.8001, 36.1512



39.7832, 53.8001, 49.3191

Triad

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



42.6937, 53.8001, 36.1512



47.7906, 53.8001, 101.3968



64.5351, 53.8001, 49.8974

Complementary

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



42.6937, 53.8001, 36.1512



42.3505, 36.2804, 62.5312

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.



64.4645, 53.8001, 68.9314



42.6937, 53.8001, 36.1512



54.3972, 53.8001, 101.6466

Square

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



42.6937, 53.8001, 36.1512



42.5474, 53.8001, 88.1473



60.6224, 53.8001, 88.7698



60.8075, 53.8001, 36.4952

Rectangle

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



42.6937, 53.8001, 36.1512



39.4229, 53.8001, 61.4826



60.6224, 53.8001, 88.7698



64.9644, 53.8001, 55.7686

Sweetspot

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



42.6951, 53.8024, 36.1524



86.8654, 96.1402, 92.2732



48.4862, 51.0433, 35.3146



18.2807, 20.4306, 19.1243



0.0000, 0.0000, 0.0000



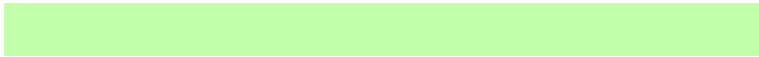
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6951, 53.8024, 36.1524



65.8470, 86.1829, 51.6176



40.3385, 52.4781, 40.9875



11.3773, 12.6964, 11.9304



14.8782, 27.8453, 4.5905



0.8446, 1.4762, 0.2404

Inverse Universe

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



42.3505, 36.2804, 62.5312



65.1873, 53.0965, 101.4206



45.4615, 38.0374, 55.7519



11.3491, 11.2293, 14.1397



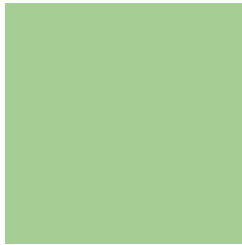
14.1052, 6.4790, 36.4634



0.8018, 0.3724, 1.8846

Previews

White Background



This preview shows how the XYZ color 42.6937, 53.8001, 36.1512 looks on a white background.

Color Contrast Check

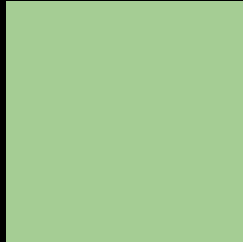
Large Text (above 18pt) WCAG AA × Fail

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 42.6937, 53.8001, 36.1512 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 42.6937, 53.8001, 36.1512

Background



This preview shows how black text looks on a background with the XYZ color 42.6937, 53.8001, 36.1512.



This preview shows how white text looks on a background with the XYZ color 42.6937, 53.8001,

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

42.6937, 53.8001, 36.1512

Protanopia

49.7600, 53.3885, 33.6690

Deuteranopia

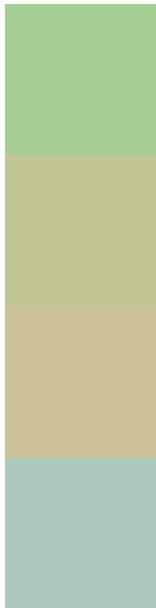
54.5904, 53.5536, 37.1654



Tritanopia

49.5291, 53.7999, 70.0613

Trichromacy



Original Color

42.6937, 53.8001, 36.1512

Protanomaly

46.8153, 53.1833, 34.5860

Deuteranomaly

49.5577, 53.2117, 36.9371

Tritanomaly

46.6342, 53.6406, 56.0399

Monochromacy



Original Color

42.6937, 53.8001, 36.1512

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.4250, 51.1844, 47.0206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6937, 53.8001, 36.1512 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, 205, 148)` looks like.

```
.text, #text, p{  
    color:rgb(165, 205, 148)  
}
```

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, 205, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 205, 148) }
```

Border

The CSS property to change the border of an element to XYZ 42.6937, 53.8001, 36.1512 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, 205, 148) }
```


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

```
.border{ border-color:rgb(165, 205, 148) }
```

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

Here you see how a box with a 4 pixel rgb(165, 205, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 205, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 205, 148);  
box-shadow:4px 4px 4px 4px rgb(165, 205,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6937, 53.8001, 36.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 205, 148) }
```

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

```
.background{ background-color: rgb(165,  
205, 148) }
```

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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