

Converting Colors

XYZ(42.2352, 54.2646, 30.2232)

Have a look what the booklet for
XYZ(42.2352, 54.2646, 30.2232)
contains.

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Color

**XYZ(42.2036, 54.3986,
30.1054)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CF84
RGB	166, 207, 132
RGB Percent	65%, 81%, 52%
CMY	0.3490, 0.1882, 0.4823
CMYK	0.20, 0.00, 0.36, 0.19
HSL	93°, 44%, 66%
HSV	93°, 36%, 81%
XYZ	42.2036, 54.3986, 30.1054
YIQ	186.1910, -0.3610, -32.0170

Conversions

Conversions Part 2

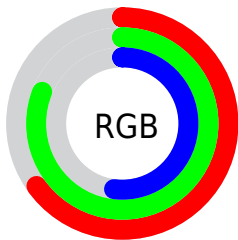
Format	Color
RYB	132, 207, 173
Decimal	10932100
CIELab	78.69, -26.71, 32.97
CIELCh	79, 42.432, 129.011
Yxy	54.3986, 0.3331, 0.4293
Android (android.graphics.Color)	4289122180 (0xFFA6CF84)
YUV	186.1910, -26.7162, -17.7075
Hunter-Lab	73.7554, -26.9324, 27.4279

Details

The XYZ color **42.2036, 54.3986, 30.1054** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.7496, 29.8933, 62.8675**, and the grayscale version is **46.9257, 49.3695, 53.7634**.

A 20% lighter version of the original color is **74.7471, 90.5948, 60.0013**, and **19.5235, 26.5613, 11.8824** is the 20% darker color. If you saturate the color by 10%, you get **38.6568, 52.7196, 23.2646**, and if you desaturate by 10%, it is **46.2431, 56.3025, 38.4386**.

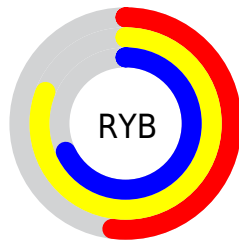
Distribution



Red (65%)

Green (81%)

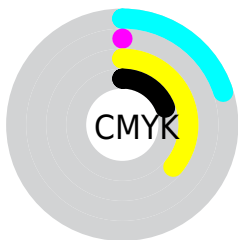
Blue (52%)



Red (52%)

Yellow (81%)

Blue (68%)

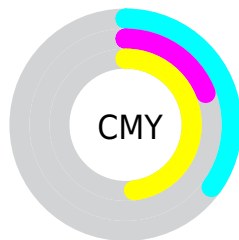


Cyan (20%)

Magenta (0%)

Yellow (36%)

Black (19%)



Cyan (35%)

Magenta (19%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2036, 54.3986, 30.1054 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 42.2036, 54.3986, 30.1054 by changing the saturation by 10% instead.

42.2036, 54.3986,
30.1054

42.2036, 54.3986,
30.1054

346.3035,
403.6282, 316.6180

29.4526, 38.9204,
19.6659

77.7709, 96.6593,
60.8918

19.5694, 26.6978,
11.9707

101.3179,
124.2105, 82.0757

12.1889, 17.3464,
6.6015

129.1942,
156.5549, 107.6783

6.9456, 10.4818,
3.1395

161.7652,
194.0769, 138.1179

3.4741, 5.7195,
1.1663

199.3963,
237.1608, 173.8131

1.4092, 2.6753,
0.0000

242.4528,

0.2627, 0.9647,

286.1911, 215.1825

0.0000

291.3001,
341.5521, 262.6446

■ 0.0000, 0.0000,
0.0000

■ 42.2036, 54.3986,
30.1054

■ 42.2036, 54.3986,
30.1054

■ 38.6568, 52.7196,
23.2646

■ 46.2431, 56.3025,
38.4386

■ 35.5764, 51.2488,
17.8245

■ 50.7916, 58.4328,
48.3416

■ 32.9398, 49.9784,
13.6886


■ 55.8697, 60.8003,
59.8909

■ 30.7203, 48.8970,
10.7469


■ 61.4955, 63.4127,
73.1568


■ 28.8875, 47.9918,
8.8710


■ 67.6863, 66.2775,
88.2054

 27.4043, 47.2472,
7.8992

 74.2637, 69.3239,
104.0745

 26.9131, 46.9989,
7.6532

 78.0968, 71.2999,
104.2539

 81.6040, 73.1079,
104.4180

Harmonies

Analogous

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



49.2195, 54.3986, 24.3254



42.2036, 54.3986, 30.1054



38.0629, 54.3986, 44.1812

Triad

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



42.2036, 54.3986, 30.1054



46.1407, 54.3986, 113.6571



69.3217, 54.3986, 52.2881

Complementary

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



42.2036, 54.3986, 30.1054



36.7496, 29.8933, 62.8675

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.



68.2682, 54.3986, 77.3603



42.2036, 54.3986, 30.1054



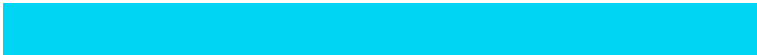
54.2712, 54.3986, 117.5523

Square

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



42.2036, 54.3986, 30.1054



40.1594, 54.3986, 93.3158



62.5333, 54.3986, 102.8497



65.2734, 54.3986, 34.6573

Rectangle

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



42.2036, 54.3986, 30.1054



37.1991, 54.3986, 58.4373



62.5333, 54.3986, 102.8497



69.5611, 54.3986, 60.0316

Sweetspot

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



42.2050, 54.4010, 30.1066



85.4398, 95.5300, 86.5728



44.6516, 44.4385, 28.0547



18.0501, 20.3366, 17.9913



0.0000, 0.0000, 0.0000



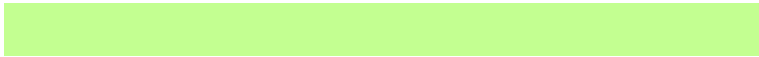
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2050, 54.4010, 30.1066



63.4175, 85.1845, 40.0296



36.1682, 51.2689, 30.7280



12.1580, 13.4649, 12.5702



17.0617, 29.6646, 4.8266



1.0448, 1.7055, 0.2741

Inverse Universe

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



36.7496, 29.8933, 62.8675



53.4875, 40.5992, 99.6251



44.9447, 34.1531, 61.6679



11.7725, 11.7316, 14.8876



11.5105, 5.1142, 37.5730



0.7344, 0.3328, 2.1051

Previews

White Background



This preview shows how the XYZ color 42.2036, 54.3986, 30.1054 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 42.2036, 54.3986, 30.1054 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

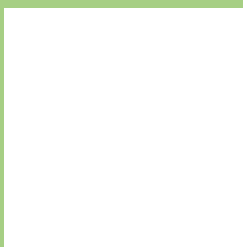
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2036, 54.3986, 30.1054

Background



This preview shows how black text looks on a background with the XYZ color 42.2036, 54.3986, 30.1054.



This preview shows how white text looks on a background with the XYZ color 42.2036, 54.3986,

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

42.2036, 54.3986, 30.1054

Protanopia

49.9865, 53.9648, 27.8603

Deuteranopia

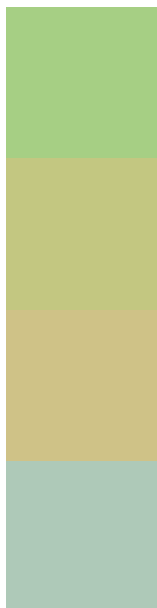
55.0293, 53.9129, 31.1728



Tritanopia

50.3366, 54.2016, 70.7597

Trichromacy



Original Color

42.2036, 54.3986, 30.1054

Protanomaly

46.8915, 54.0339, 28.7270

Deuteranomaly

49.3971, 53.5982, 30.6637

Tritanomaly

46.9939, 54.2327, 53.3385

Monochromacy



Original Color

42.2036, 54.3986, 30.1054

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.7651, 50.9205, 43.5456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2036, 54.3986, 30.1054 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(166, 207, 132)` looks like.

```
.text, #text, p{  
    color:rgb(166, 207, 132)  
}
```

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(166, 207, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 207, 132) }
```

Border

The CSS property to change the border of an element to XYZ 42.2036, 54.3986, 30.1054 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(166, 207, 132) }
```


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

```
.border{ border-color:rgb(166, 207, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 207, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 207, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 207, 132);  
box-shadow:4px 4px 4px 4px rgb(166, 207,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2036, 54.3986, 30.1054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 207, 132) }
```

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

```
.background{ background-color: rgb(166,  
207, 132) }
```

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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