

Converting Colors

XYZ(41.3151, 52.4812, 30.8210)

Have a look what the booklet for
XYZ(41.3151, 52.4812, 30.8210)
contains.

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Color

**XYZ(41.2462, 52.4605,
30.8737)**

Conversions

Conversions Part 1

Format	Color
Hex	A5CB87
RGB	165, 203, 135
RGB Percent	65%, 80%, 53%
CMY	0.3529, 0.2039, 0.4706
CMYK	0.19, 0.00, 0.33, 0.20
HSL	94°, 40%, 66%
HSV	94°, 33%, 80%
XYZ	41.2462, 52.4605, 30.8737
YIQ	183.8860, -0.8200, -29.2040

Conversions

Conversions Part 2

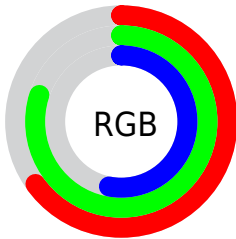
Format	Color
RYB	135, 203, 173
Decimal	10865543
CIELab	77.56, -24.71, 29.91
CIELCh	78, 38.796, 129.563
Yxy	52.4605, 0.3311, 0.4211
Android (android.graphics.Color)	4289055623 (0xFFA5CB87)
YUV	183.8860, -24.1008, -16.5630
Hunter-Lab	72.4296, -25.1022, 25.4279

Details

The XYZ color **41.2462, 52.4605, 30.8737** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.6793, 30.5255, 60.4616**, and the grayscale version is **45.6274, 48.0036, 52.2759**.

A 20% lighter version of the original color is **74.7641, 90.5663, 61.6847**, and **19.0298, 25.5797, 12.3219** is the 20% darker color. If you saturate the color by 10%, you get **37.6953, 50.7813, 23.9448**, and if you desaturate by 10%, it is **45.2817, 54.3613, 39.2500**.

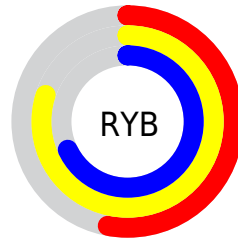
Distribution



Red (65%)

Green (80%)

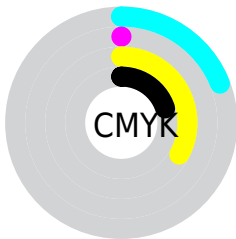
Blue (53%)



Red (53%)

Yellow (80%)

Blue (68%)

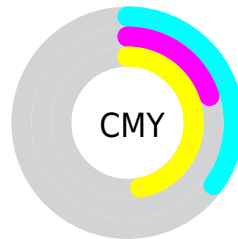


Cyan (19%)

Magenta (0%)

Yellow (33%)

Black (20%)



Cyan (35%)


Magenta (20%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2462, 52.4605, 30.8737 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 41.2462, 52.4605, 30.8737 by changing the saturation by 10% instead.

 41.2462, 52.4605,
30.8737


 41.2462, 52.4605,
30.8737


342.3936,
396.2118, 320.2892


 28.7000, 37.3723,
20.2450


 76.3298, 93.8100,
62.1184

 18.9972, 25.4958,
12.3874


 99.5980, 120.8401,
83.5715

 11.7722, 16.4469,
6.8824


 127.1709,
152.6196, 109.4699

 6.6599, 9.8409,
3.3113

159.4139,
189.5329, 140.2321

 3.2947, 5.2936,
1.2557

196.6923,
231.9643, 176.2765

 1.3115, 2.4205,
0.0251

239.3715,

 0.1918, 0.8364,

280.2984, 218.0218

0.0000

287.8168,
334.9194, 265.8865

■ 0.0000, 0.0000,
0.0000

■ 41.2462, 52.4605,
30.8737

■ 41.2462, 52.4605,
30.8737

■ 37.6953, 50.7813,
23.9448

■ 45.2817, 54.3613,
39.2500

■ 34.6041, 49.3077,
18.3778

■ 49.8173, 56.4851,
49.1458

■ 31.9511, 48.0323,
14.0836


■ 54.8726, 58.8422,
60.6326

■ 29.7113, 46.9445,
10.9607


■ 60.4651, 61.4401,
73.7764


■ 27.8564, 46.0321,
8.8927


■ 66.6112, 64.2860,
88.6394

 26.3532, 45.2811,
7.7387

 73.0347, 67.2697,
103.7428

 25.5301, 44.8654,
7.3143

 76.8600, 69.2418,
103.9218

 80.6470, 71.1940,
104.0990

Harmonies

Analogous

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



47.5094, 52.4605, 25.3550



41.2462, 52.4605, 30.8737



37.5559, 52.4605, 43.9035

Triad

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



41.2462, 52.4605, 30.8737



45.0038, 52.4605, 105.1003



65.4424, 52.4605, 50.5436

Complementary

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



41.2462, 52.4605, 30.8737



36.6793, 30.5255, 60.4616

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.



64.5999, 52.4605, 72.7550



41.2462, 52.4605, 30.8737



52.2913, 52.4605, 108.1653

Square

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



41.2462, 52.4605, 30.8737



39.5700, 52.4605, 87.5985



59.6014, 52.4605, 95.1509



61.8001, 52.4605, 34.6856

Rectangle

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



41.2462, 52.4605, 30.8737



36.8113, 52.4605, 56.8064



59.6014, 52.4605, 95.1509



65.6819, 52.4605, 57.4358

Sweetspot

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



41.2475, 52.4628, 30.8748



86.1628, 95.8617, 88.4572



43.8326, 44.1054, 29.1254



18.1907, 20.4009, 18.3667



0.0000, 0.0000, 0.0000



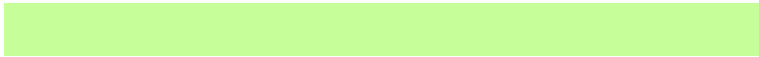
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2475, 52.4628, 30.8748



64.7974, 85.8251, 43.2877



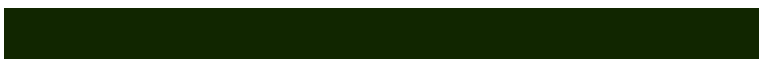
35.9657, 49.7118, 31.8975



11.5299, 12.7750, 11.9376



16.3475, 28.6027, 4.6593



0.9300, 1.5203, 0.2444

Inverse Universe

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



36.6793, 30.5255, 60.4616



56.0207, 43.7047, 100.0910



43.6733, 34.1774, 58.6966



11.1914, 11.1480, 14.1323



11.3370, 5.0520, 36.3339



0.6712, 0.3051, 1.8785

Previews

White Background



This preview shows how the XYZ color 41.2462, 52.4605, 30.8737 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 41.2462, 52.4605, 30.8737 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

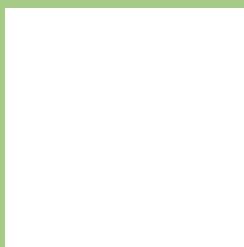
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2462, 52.4605, 30.8737

Background



This preview shows how black text looks on a background with the XYZ color 41.2462, 52.4605, 30.8737.



This preview shows how white text looks on a background with the XYZ color 41.2462, 52.4605,

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

41.2462, 52.4605, 30.8737

Protanopia

48.3922, 52.1387, 28.6323

Deuteranopia

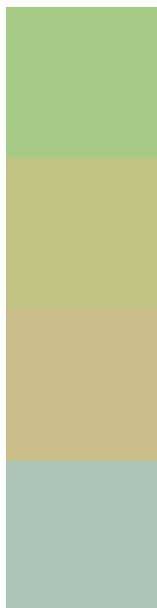
52.9577, 51.8998, 31.6526



Tritanopia

48.7049, 52.4171, 67.8721

Trichromacy



Original Color

41.2462, 52.4605, 30.8737

Protanomaly

45.4182, 51.9026, 29.4542

Deuteranomaly

47.9027, 51.4993, 31.4604

Tritanomaly

45.4230, 52.0806, 51.9145

Monochromacy



Original Color

41.2462, 52.4605, 30.8737

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.6452, 49.3619, 43.3038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2462, 52.4605, 30.8737 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, 203, 135)` looks like.

```
.text, #text, p{  
    color:rgb(165, 203, 135)  
}
```

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, 203, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 203, 135) }
```

Border

The CSS property to change the border of an element to XYZ 41.2462, 52.4605, 30.8737 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, 203, 135) }
```


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

```
.border{ border-color:rgb(165, 203, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 203, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 203, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 203, 135);  
box-shadow:4px 4px 4px 4px rgb(165, 203,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2462, 52.4605, 30.8737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 203, 135) }
```

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

```
.background{ background-color: rgb(165,  
203, 135) }
```

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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