

Converting Colors

XYZ(52.3443, 66.6781, 49.8485)

Have a look what the booklet for
XYZ(52.3443, 66.6781, 49.8485)
contains.

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Color

**XYZ(52.1947, 66.4085,
49.6023)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE2AD
RGB	174, 226, 173
RGB Percent	68%, 89%, 68%
CMY	0.3176, 0.1137, 0.3216
CMYK	0.23, 0.00, 0.23, 0.11
HSL	119°, 48%, 78%
HSV	119°, 23%, 89%
XYZ	52.1947, 66.4085, 49.6023
YIQ	204.4100, -13.9790, -27.5070

Conversions

Conversions Part 2

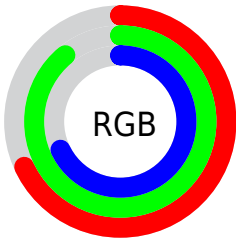
Format	Color
RYB	173, 226, 225
Decimal	11461293
CIELab	85.20, -26.78, 20.60
CIELCh	85, 33.784, 142.428
Yxy	66.4085, 0.3103, 0.3948
Android (android.graphics.Color)	4289651373 (0xFFFAEE2AD)
YUV	204.4100, -15.4851, -26.6696
Hunter-Lab	81.4914, -28.2819, 20.9553

Details

The XYZ color **52.1947, 66.4085, 49.6023** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.7252, 51.3876, 78.7259**, and the grayscale version is **57.7567, 60.7645, 66.1726**.

A 20% lighter version of the original color is **82.5360, 94.0001, 87.9225**, and **25.5106, 34.0986, 23.0064** is the 20% darker color. If you saturate the color by 10%, you get **45.6515, 63.2690, 38.8300**, and if you desaturate by 10%, it is **59.9269, 70.1221, 62.3640**.

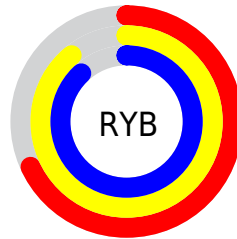
Distribution



Red (68%)

Green (89%)

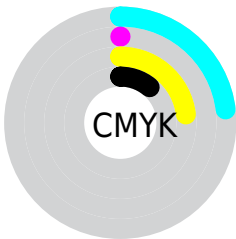
Blue (68%)



Red (68%)

Yellow (89%)

Blue (88%)

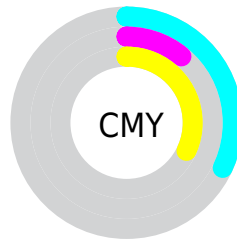


Cyan (23%)

Magenta (0%)

Yellow (23%)

Black (11%)



Cyan (32%)


Magenta (11%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1947, 66.4085, 49.6023 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 52.1947, 66.4085, 49.6023 by changing the saturation by 10% instead.


 52.1947, 66.4085,
49.6023

 52.1947, 66.4085,
49.6023


385.4994,
447.8364, 401.7991

 37.3852, 48.6041,
34.7285


 92.5908, 114.0724,
90.9756

 25.6809, 34.3055,
23.1720


118.9082,
144.7008, 118.3122

 16.7165, 23.1284,
14.5140


149.7922,
180.3725, 150.6401

 10.1266, 14.6884,
8.3362

185.6082,
221.4721, 188.3780

 5.5459, 8.6010,
4.2200

226.7216,
268.3838, 231.9442

 2.6090, 4.4818,
1.7468


273.4977,


 0.9505, 1.9466,


321.4922, 281.7575


0.3925


326.3018,
381.1816, 338.2362


 0.0000, 0.5762,
0.0000


 0.0000, 0.0000,
0.0000


 52.1947, 66.4085,
49.6023


 52.1947, 66.4085,
49.6023

 45.6515, 63.2690,
38.8300

 59.9269, 70.1221,
62.3640

 40.2335, 60.6670,
29.9428

 68.8973, 74.4274,
77.2036

 35.8788, 58.5749,
22.8338

 79.1590, 79.3516,
94.2095

 32.5175, 56.9592,
17.3833

 86.4877, 82.8753,
106.0459

■ 30.0714, 55.7826,
13.4571

■ 28.4505, 55.0019,
10.9002

■ 27.5467, 54.5655,
9.5248

■ 27.2510, 54.4228,
9.0684

Harmonies

Analogous

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



57.6878, 66.4085, 40.0182



52.1947, 66.4085, 49.6023



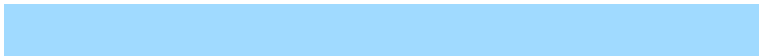
49.6695, 66.4085, 66.9133

Triad

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



52.1947, 66.4085, 49.6023



61.2065, 66.4085, 122.4433



77.6688, 66.4085, 57.4381

Complementary

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



52.1947, 66.4085, 49.6023



59.7252, 51.3876, 78.7259

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.



78.8012, 66.4085, 77.9843



52.1947, 66.4085, 49.6023



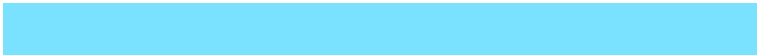
68.8814, 66.4085, 118.4934

Square

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



52.1947, 66.4085, 49.6023



54.5927, 66.4085, 110.9661



75.4709, 66.4085, 101.0598



72.4904, 66.4085, 43.8659

Rectangle

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



52.1947, 66.4085, 49.6023



49.8536, 66.4085, 81.7285



75.4709, 66.4085, 101.0598



78.5513, 66.4085, 63.6399

Sweetspot

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



52.1965, 66.4113, 49.6038



86.1557, 95.7316, 94.1729



65.6282, 72.6261, 50.0954



18.2851, 20.4157, 19.8992



0.0000, 0.0000, 0.0000



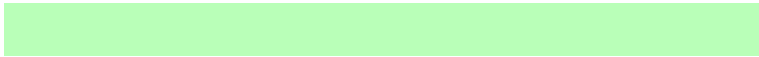
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1965, 66.4113, 49.6038



64.3644, 85.2715, 58.1946



54.5944, 67.3449, 63.3884



13.5525, 15.3495, 14.5552



15.5570, 31.0525, 5.1738



1.0869, 2.1568, 0.3590

Inverse Universe

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



59.7252, 51.3876, 78.7259



75.8541, 62.3407, 102.6427



56.8839, 50.2872, 62.1334



14.2682, 13.9218, 17.3228



24.9842, 11.9751, 42.0430



1.7400, 0.8343, 2.9146

Previews

White Background



This preview shows how the XYZ color 52.1947, 66.4085, 49.6023 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 52.1947, 66.4085, 49.6023 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 52.1947, 66.4085, 49.6023

Background



This preview shows how black text looks on a background with the XYZ color 52.1947, 66.4085, 49.6023.

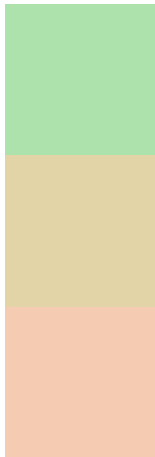


This preview shows how white text looks on a background with the XYZ color 52.1947, 66.4085,

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

52.1947, 66.4085, 49.6023

Protanopia

61.7904, 66.0089, 45.5607

Deuteranopia

67.2849, 65.8126, 51.2763



Tritanopia

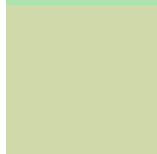
60.0744, 66.4553, 88.2582

Trichromacy



Original Color

52.1947, 66.4085, 49.6023



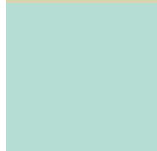
Protanomaly

57.7064, 65.7557, 47.1868



Deuteranomaly

60.5934, 65.2816, 50.4813



Tritanomaly

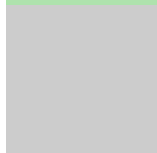
56.7962, 66.2901, 72.0892

Monochromacy



Original Color

52.1947, 66.4085, 49.6023



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.1614, 62.2747, 59.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1947, 66.4085, 49.6023 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(174, 226, 173)` looks like.

```
.text, #text, p{  
    color:rgb(174, 226, 173)  
}
```

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(174, 226, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 226, 173) }
```

Border

The CSS property to change the border of an element to XYZ 52.1947, 66.4085, 49.6023 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(174, 226, 173) }
```


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

```
.border{ border-color:rgb(174, 226, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 226, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 226, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 226, 173);  
box-shadow:4px 4px 4px 4px rgb(174, 226,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1947, 66.4085, 49.6023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 226, 173) }
```

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

```
.background{ background-color: rgb(174,  
226, 173) }
```

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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