

Converting Colors

XYZ(50.6676, 65.6947, 46.0864)

Have a look what the booklet for
XYZ(50.6676, 65.6947, 46.0864)
contains.

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Color

**XYZ(50.6569, 65.6919,
46.0863)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE2A6
RGB	170, 226, 166
RGB Percent	67%, 89%, 65%
CMY	0.3333, 0.1137, 0.3490
CMYK	0.25, 0.00, 0.27, 0.11
HSL	116°, 51%, 77%
HSV	116°, 27%, 89%
XYZ	50.6569, 65.6919, 46.0863
YIQ	202.4160, -14.1160, -30.5320

Conversions

Conversions Part 2

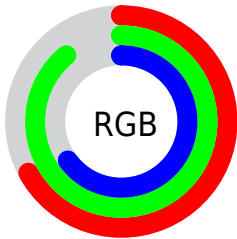
Format	Color
RYB	166, 226, 222
Decimal	11199142
CIELab	84.84, -29.26, 23.70
CIELCh	85, 37.654, 141.002
Yxy	65.6919, 0.3119, 0.4044
Android (android.graphics.Color)	4289389222 (0xFFAAE2A6)
YUV	202.4160, -17.9531, -28.4288
Hunter-Lab	81.0505, -30.2753, 23.0224

Details

The XYZ color **50.6569, 65.6919, 46.0863** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.4905, 48.2949, 78.2466**, and the grayscale version is **56.5154, 59.4586, 64.7504**.

A 20% lighter version of the original color is **80.1752, 92.9092, 82.1142**, and **24.6144, 33.6774, 21.1227** is the 20% darker color. If you saturate the color by 10%, you get **44.5636, 62.7715, 35.9138**, and if you desaturate by 10%, it is **57.8497, 69.1409, 58.2147**.

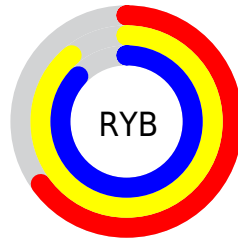
Distribution



Red (67%)

Green (89%)

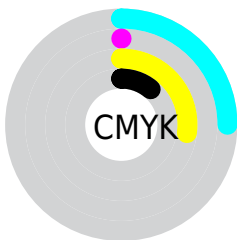
Blue (65%)



Red (65%)

Yellow (89%)

Blue (87%)

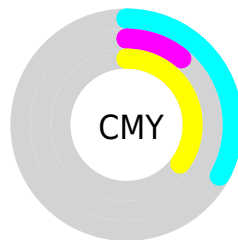


Cyan (25%)

Magenta (0%)

Yellow (27%)

Black (11%)



Cyan (33%)


Magenta (11%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6569, 65.6919, 46.0863 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 50.6569, 65.6919, 46.0863 by changing the saturation by 10% instead.


 50.6569, 65.6919,
46.0863


 50.6569, 65.6919,
46.0863


379.6390,
445.2742, 387.4432

 36.1556, 48.0223,
31.9648


 90.3334, 113.0440,
85.6838

 24.7250, 33.8446,
21.0700

 116.2393,
143.4954, 111.9968

 15.9999, 22.7742,
12.9834


146.6774,
178.9761, 143.2108

 9.6150, 14.4269,
7.2865

182.0132,
219.8706, 179.7442

 5.2047, 8.4182,
3.5608

222.6118,
266.5632, 222.0156

 2.4039, 4.3637,
1.3876


268.8388,

 0.8470, 1.8790,


319.4385, 270.4435

0.1320


321.0593,
378.8807, 325.4465


 0.0000, 0.5357,
0.0000


 0.0000, 0.0000,
0.0000


 50.6569, 65.6919,
46.0863

 50.6569, 65.6919,
46.0863


 44.5636, 62.7715,
35.9138


 57.8497, 69.1409,
58.2147


 39.5106, 60.3456,
27.5907

 66.1870, 73.1338,
72.3893

 35.4414, 58.3893,
21.0073

 75.7176, 77.6959,
88.7000

 32.2916, 56.8722,
16.0403

 86.2591, 82.7574,
106.0352

■ 29.9893, 55.7602,
12.5503

■ 86.4876, 82.8752,
106.0459

■ 28.4518, 55.0141,
10.3744

■ 27.5788, 54.5868,
9.3067

■ 27.3957, 54.4973,
9.0751

Harmonies

Analogous

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



56.8011, 65.6919, 36.3218



50.6569, 65.6919, 46.0863



47.7428, 65.6919, 64.5020

Triad

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



50.6569, 65.6919, 46.0863



59.9344, 65.6919, 127.9484



78.8458, 65.6919, 56.1307

Complementary

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



50.6569, 65.6919, 46.0863



57.4905, 48.2949, 78.2466

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.



79.8763, 65.6919, 79.0451



50.6569, 65.6919, 46.0863



68.4364, 65.6919, 124.2776

Square

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



50.6569, 65.6919, 46.0863



52.7729, 65.6919, 114.0655



75.9176, 65.6919, 104.9403



73.2168, 65.6919, 41.1476

Rectangle

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



50.6569, 65.6919, 46.0863



47.8253, 65.6919, 80.7679



75.9176, 65.6919, 104.9403



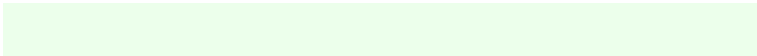
79.7603, 65.6919, 63.0199

Sweetspot

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



50.6586, 65.6947, 46.0877



85.2764, 95.3210, 92.1989



64.3711, 71.1677, 46.4214



17.8836, 20.2259, 19.1058



0.0000, 0.0000, 0.0000



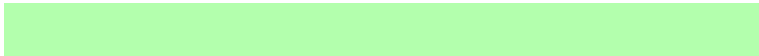
20.3446, 21.4041, 23.3091

Same Dimension

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



50.6586, 65.6947, 46.0877



61.8948, 84.1172, 52.7124



52.4387, 66.3084, 59.9060



13.6129, 15.3806, 14.5581



15.6634, 31.1073, 5.1788



1.1159, 2.1717, 0.3604

Inverse Universe

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



57.4905, 48.2949, 78.2466



72.3376, 57.5038, 101.8945



55.4278, 47.6130, 60.9146



14.2001, 13.8867, 17.3197



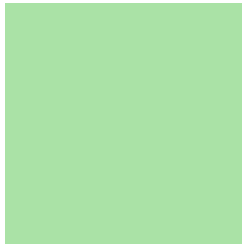
23.1873, 11.0488, 41.9589



1.6348, 0.7800, 2.9096

Previews

White Background



This preview shows how the XYZ color 50.6569, 65.6919, 46.0863 looks on a white background.

Color Contrast Check

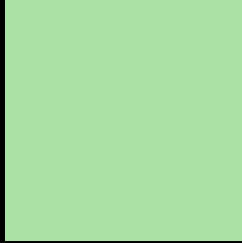
Large Text (above 18pt) WCAG AA × Fail

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 50.6569, 65.6919, 46.0863 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 50.6569, 65.6919, 46.0863

Background



This preview shows how black text looks on a background with the XYZ color 50.6569, 65.6919, 46.0863.



This preview shows how white text looks on a background with the XYZ color 50.6569, 65.6919,

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

50.6569, 65.6919, 46.0863

Protanopia

60.9163, 65.2605, 42.1868

Deuteranopia

66.3628, 65.0646, 47.5891



Tritanopia

58.9555, 65.5113, 87.3796

Trichromacy



Original Color

50.6569, 65.6919, 46.0863

Protanomaly

56.5311, 64.8422, 43.7187

Deuteranomaly

59.3691, 64.3585, 46.8295

Tritanomaly

55.4619, 65.2548, 69.9939

Monochromacy



Original Color

50.6569, 65.6919, 46.0863

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.7148, 61.2098, 57.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6569, 65.6919, 46.0863 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(170, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(170, 226, 166)  
}
```

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(170, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 226, 166) }
```

Border

The CSS property to change the border of an element to XYZ 50.6569, 65.6919, 46.0863 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(170, 226, 166) }
```


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

```
.border{ border-color:rgb(170, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(170, 226,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6569, 65.6919, 46.0863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 226, 166) }
```

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

```
.background{ background-color: rgb(170,  
226, 166) }
```

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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