

Converting Colors

XYZ(51.1056, 64.5782, 47.7804)

Have a look what the booklet for
XYZ(51.1056, 64.5782, 47.7804)
contains.

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Color

**XYZ(51.0989, 64.6763,
47.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	AEDFAA
RGB	174, 223, 170
RGB Percent	68%, 87%, 67%
CMY	0.3176, 0.1255, 0.3333
CMYK	0.22, 0.00, 0.24, 0.13
HSL	115°, 45%, 77%
HSV	115°, 24%, 87%
XYZ	51.0989, 64.6763, 47.8208
YIQ	202.3070, -12.1910, -26.8710

Conversions

Conversions Part 2

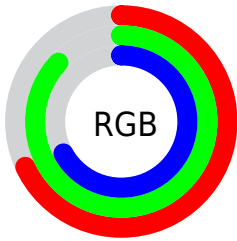
Format	Color
RYB	170, 223, 219
Decimal	11460522
CIELab	84.32, -25.84, 20.93
CIELCh	84, 33.253, 140.983
Yxy	64.6763, 0.3123, 0.3953
Android (android.graphics.Color)	4289650602 (0xFFAEDFAA)
YUV	202.3070, -15.9274, -24.8252
Hunter-Lab	80.4216, -27.3210, 21.0397

Details

The XYZ color **51.0989, 64.6763, 47.8208** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9102, 49.1392, 76.3008**, and the grayscale version is **56.4340, 59.3729, 64.6571**.

A 20% lighter version of the original color is **81.9837, 93.7792, 85.0144**, and **25.1578, 33.3782, 22.2562** is the 20% darker color. If you saturate the color by 10%, you get **44.9199, 61.7162, 37.4382**, and if you desaturate by 10%, it is **58.3443, 68.1485, 60.1240**.

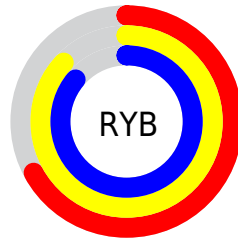
Distribution



Red (68%)

Green (87%)

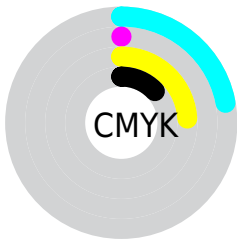
Blue (67%)



Red (67%)

Yellow (87%)

Blue (86%)

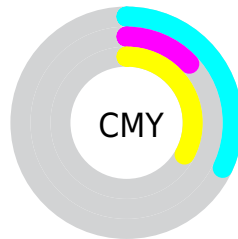


Cyan (22%)

Magenta (0%)

Yellow (24%)

Black (13%)



Cyan (32%)

Magenta (13%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0989, 64.6763, 47.8208 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 51.0989, 64.6763, 47.8208 by changing the saturation by 10% instead.

■ 51.0989, 64.6763,
47.8208

■ 51.0989, 64.6763,
47.8208

381.3292,
441.6278, 394.5696

■ 36.5087, 47.1986,
33.3260

■ 90.9831, 111.5843,
88.3003

■ 24.9992, 33.1927,
22.1032

117.0077,
141.7835, 115.1221

■ 16.2052, 22.2741,
13.7337

147.5746,
176.9920, 146.8900

■ 9.7613, 14.0585,
7.7990

183.0490,
217.5942, 184.0225

■ 5.3020, 8.1613,
3.8807

223.7963,
263.9745, 226.9382

■ 2.4621, 4.1984,
1.5601

270.1819,

■ 0.8762, 1.7851,

316.5173, 276.0555

0.2621

322.5711,
375.6069, 331.7932

■ 0.0000, 0.4779,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0989, 64.6763,
47.8208

■ 51.0989, 64.6763,
47.8208

■ 44.9199, 61.7162,
37.4382

■ 58.3443, 68.1485,
60.1240

■ 39.7521, 59.2363,
28.8752

■ 66.6977, 72.1468,
74.4332

■ 35.5430, 57.2136,
22.0285

■ 76.2048, 76.6947,
90.8340

■ 32.2334, 55.6201,
16.7822

■ 85.6790, 81.2579,
105.7763

■ 29.7575, 54.4248,
13.0066

■ 28.0403, 53.5921,
10.5515

■ 26.9935, 53.0805,
9.2347

■ 26.6170, 52.8955,
8.8070

Harmonies

Analogous

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



56.5328, 64.6763, 38.8977



51.0989, 64.6763, 47.8208



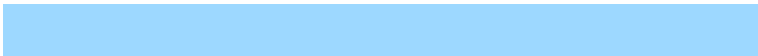
48.5026, 64.6763, 64.2456

Triad

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



51.0989, 64.6763, 47.8208



59.2768, 64.6763, 118.6368



75.6885, 64.6763, 56.8549

Complementary

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



51.0989, 64.6763, 47.8208



56.9102, 49.1392, 76.3008

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.



76.5710, 64.6763, 76.9810



51.0989, 64.6763, 47.8208



66.6927, 64.6763, 115.5609

Square

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



51.0989, 64.6763, 47.8208



52.9696, 64.6763, 106.9288



73.1637, 64.6763, 99.2122



70.8407, 64.6763, 43.3425

Rectangle

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



51.0989, 64.6763, 47.8208



48.5748, 64.6763, 78.4469



73.1637, 64.6763, 99.2122



76.4732, 64.6763, 62.9630

Sweetspot

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



51.1006, 64.6791, 47.8222



86.4949, 95.9064, 94.1887



62.9129, 69.0394, 48.0413



18.3633, 20.4561, 19.9028



0.0000, 0.0000, 0.0000



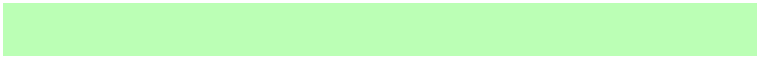
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1006, 64.6791, 47.8222



64.5085, 85.3763, 56.8223



52.4910, 65.1338, 59.7250



13.6241, 15.3864, 14.5586



15.6856, 31.1187, 5.1798



1.1212, 2.1745, 0.3606

Inverse Universe

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



56.9102, 49.1392, 76.3008



73.8011, 60.5052, 102.3967



55.3413, 48.6522, 61.6832



14.1876, 13.8803, 17.3191



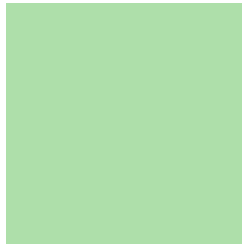
22.8694, 10.8849, 41.9440



1.6160, 0.7704, 2.9088

Previews

White Background



This preview shows how the XYZ color 51.0989, 64.6763, 47.8208 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 51.0989, 64.6763, 47.8208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

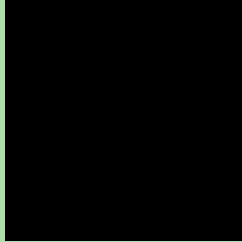
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0989, 64.6763, 47.8208

Background



This preview shows how black text looks on a background with the XYZ color 51.0989, 64.6763, 47.8208.



This preview shows how white text looks on a background with the XYZ color 51.0989, 64.6763,

47.8208.

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

51.0989, 64.6763, 47.8208

Protanopia

60.2418, 64.1286, 44.3249

Deuteranopia

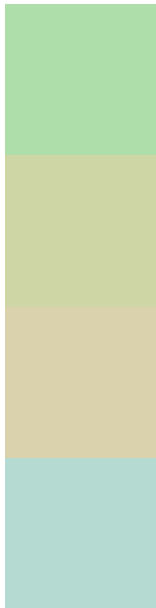
65.3785, 64.1743, 48.9855



Tritanopia

58.8735, 64.7414, 85.7373

Trichromacy



Original Color

51.0989, 64.6763, 47.8208

Protanomaly

56.3831, 63.9681, 45.4518

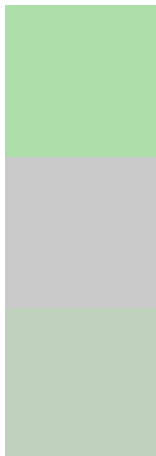
Deuteranomaly

59.2047, 63.8620, 48.7413

Tritanomaly

55.6361, 64.5700, 69.8525

Monochromacy



Original Color

51.0989, 64.6763, 47.8208

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.0791, 61.0174, 57.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0989, 64.6763, 47.8208 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, 223, 170)` looks like.

```
.text, #text, p{  
    color:rgb(174, 223, 170)  
}
```

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, 223, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 223, 170) }
```

Border

The CSS property to change the border of an element to XYZ 51.0989, 64.6763, 47.8208 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, 223, 170) }
```


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

```
.border{ border-color:rgb(174, 223, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 223, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 223, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 223, 170);  
box-shadow:4px 4px 4px 4px rgb(174, 223,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0989, 64.6763, 47.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 223, 170) }
```

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

```
.background{ background-color: rgb(174,  
223, 170) }
```

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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