

Converting Colors

XYZ(47.8687, 56.6359, 44.9681)

Have a look what the booklet for
XYZ(47.8687, 56.6359, 44.9681)
contains.

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Color

**XYZ(47.8687, 56.6359,
44.9681)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B4CEA7 |
| RGB | 180, 206, 167 |
| RGB Percent | 71%, 81%, 65% |
| CMY | 0.2941, 0.1921, 0.3451 |
| CMYK | 0.13, 0.00, 0.19, 0.19 |
| HSL | 100°, 28%, 73% |
| HSV | 100°, 19%, 81% |
| XYZ | 47.8687, 56.6359, 44.9681 |
| YIQ | 193.7800, -2.9770, -17.6410 |

Conversions

Conversions Part 2

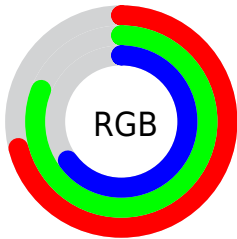
| Format | Color |
|-------------------------------------|--|
| RYB | 167, 206, 193 |
| Decimal | 11849383 |
| CIELab | 79.97, -15.87, 16.53 |
| CIELCh | 80, 22.920, 133.835 |
| Yxy | 56.6359, 0.3203, 0.3789 |
| Android (android.graphics.Color) | 4290039463 (0xFFB4CEA7) |
| YUV | 193.7800, -13.2025, -12.0851 |
| Hunter-Lab | 75.2568, -18.1607, 17.2523 |

Details

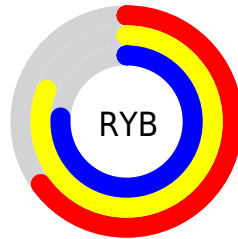
The XYZ color **47.8687, 56.6359, 44.9681** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.9540, 43.4327, 64.3041**, and the grayscale version is **51.2262, 53.8939, 58.6905**.

A 20% lighter version of the original color is **83.5369, 94.6268, 82.9692**, and **23.0751, 28.2063, 20.4478** is the 20% darker color. If you saturate the color by 10%, you get **43.0737, 54.3685, 35.5820**, and if you desaturate by 10%, it is **53.2870, 59.1929, 55.9693**.

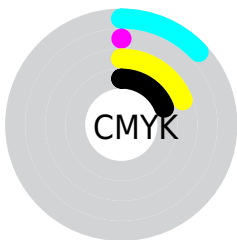
Distribution



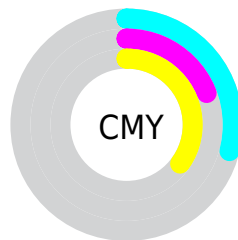
- Red (71%)
- Green (81%)
- Blue (65%)



- Red (65%)
- Yellow (81%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)



- Cyan (29%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8687, 56.6359, 44.9681 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 47.8687, 56.6359, 44.9681 by changing the saturation by 10% instead.

■ 47.8687, 56.6359,
44.9681

■ 47.8687, 56.6359,
44.9681

368.8627,
412.0836, 382.8007

■ 33.9337, 40.7130,
31.0895

■ 86.2198, 99.9337,
83.9905

■ 23.0053, 28.0949,
20.4080

■ 111.3666,
128.0774, 109.9714

■ 14.7182, 18.3972,
12.5050

140.9814,
161.0635, 140.8235

■ 8.7069, 11.2355,
6.9619

175.4295,
199.2764, 176.9653

■ 4.6060, 6.2255,
3.3602

215.0764,
243.1004, 218.8154

■ 2.0504, 2.9827,
1.2814

260.2873,

■ 0.6620, 1.1227,

292.9200, 266.7923

0.0464

311.4276,
349.1196, 321.3146

■ 0.0000, 0.0000,
0.0000

■ 47.8687, 56.6359,
44.9681

■ 47.8687, 56.6359,
44.9681

■ 43.0737, 54.3685,
35.5820

■ 53.2870, 59.1929,
55.9693

■ 38.8741, 52.3729,
27.7314

■ 59.3462, 62.0421,
68.6528

■ 35.2461, 50.6404,
21.3356

■ 66.0690, 65.1954,
83.0865

■ 32.1628, 49.1590,
16.3047

■ 73.4754, 68.6615,
99.3334

■ 29.5946, 47.9158,
12.5393

■ 79.0733, 71.4448,
104.2304

■ 27.5090, 46.8963,
9.9261

■ 81.3624, 72.6249,
104.3375

■ 25.8685, 46.0842,
8.3318

■ 24.6192, 45.4564,
7.5395

■ 24.5025, 45.3976,
7.4712

Harmonies

Analogous

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



51.7194, 56.6359, 39.9820



47.8687, 56.6359, 44.9681



45.6863, 56.6359, 54.8043

Triad

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



47.8687, 56.6359, 44.9681



51.3779, 56.6359, 89.6977



62.9943, 56.6359, 55.7402

Complementary

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



47.8687, 56.6359, 44.9681



46.9540, 43.4327, 64.3041

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.



62.8897, 56.6359, 69.0797



47.8687, 56.6359, 44.9681



55.9987, 56.6359, 90.0444

Square

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



47.8687, 56.6359, 44.9681



47.6311, 56.6359, 81.1708



60.2683, 56.6359, 82.0593



60.5462, 56.6359, 45.5678

Rectangle

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



47.8687, 56.6359, 44.9681



45.3878, 56.6359, 63.3965



60.2683, 56.6359, 82.0593



63.2607, 56.6359, 59.9690

Sweetspot

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



47.8702, 56.6383, 44.9693



89.0298, 97.1698, 96.2679



51.5009, 54.0541, 44.2792



18.9208, 20.7347, 20.3242



0.0000, 0.0000, 0.0000



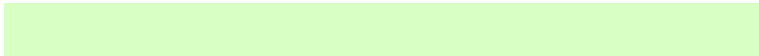
20.3446, 21.4041, 23.3091

Same Dimension

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



47.8702, 56.6383, 44.9693



74.0522, 90.1047, 65.9227



45.6007, 55.3972, 48.0798



11.4145, 12.7155, 11.9322



15.1796, 28.0007, 4.6046



0.8634, 1.4859, 0.2413

Inverse Universe

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



46.9540, 43.4327, 64.3041



72.2797, 64.5973, 103.2667



49.6414, 44.9075, 60.3919



11.3102, 11.2092, 14.1379



13.3539, 6.0917, 36.4283



0.7673, 0.3547, 1.8830

Previews

White Background



This preview shows how the XYZ color 47.8687, 56.6359, 44.9681 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 47.8687, 56.6359, 44.9681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

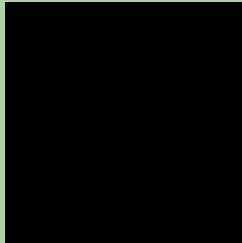
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8687, 56.6359, 44.9681

Background



This preview shows how black text looks on a background with the XYZ color 47.8687, 56.6359, 44.9681.



This preview shows how white text looks on a background with the XYZ color 47.8687, 56.6359,

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

47.8687, 56.6359, 44.9681

Protanopia

53.0994, 56.5878, 42.7742

Deuteranopia

57.5651, 56.4948, 45.9008



Tritanopia

53.4282, 56.4445, 72.3689

Trichromacy



Original Color

47.8687, 56.6359, 44.9681

Protanomaly

50.8762, 56.4594, 43.3382

Deuteranomaly

53.4797, 56.0461, 45.5354

Tritanomaly

51.3212, 56.6326, 61.6523

Monochromacy



Original Color

47.8687, 56.6359, 44.9681

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.8321, 54.6677, 53.2729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8687, 56.6359, 44.9681 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(180, 206, 167)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 167)  
}
```

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(180, 206, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 167) }
```

Border

The CSS property to change the border of an element to XYZ 47.8687, 56.6359, 44.9681 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(180, 206, 167) }
```


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

```
.border{ border-color:rgb(180, 206, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 167);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8687, 56.6359, 44.9681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 167) }
```

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

```
.background{ background-color: rgb(180,  
206, 167) }
```

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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