

Converting Colors

XYZ(47.6312, 56.1372, 45.8620)

Have a look what the booklet for
XYZ(47.6312, 56.1372, 45.8620)
contains.

| | |
|--|----|
| XYZ(47.5832, 56.1109, 45.8587) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(47.5832, 56.1109,
45.8587)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B3CDA9 |
| RGB | 179, 205, 169 |
| RGB Percent | 70%, 80%, 66% |
| CMY | 0.2980, 0.1961, 0.3372 |
| CMYK | 0.13, 0.00, 0.18, 0.20 |
| HSL | 103°, 26%, 73% |
| HSV | 103°, 18%, 80% |
| XYZ | 47.5832, 56.1109, 45.8587 |
| YIQ | 193.1220, -3.9400, -16.7080 |

Conversions

Conversions Part 2

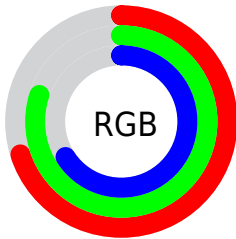
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 169, 205, 195 |
| Decimal | 11783593 |
| CIE Lab | 79.68, -15.38, 15.04 |
| CIE LCh | 80, 21.517, 135.642 |
| Yxy | 56.1109, 0.3182, 0.3752 |
| Android (android.graphics.Color) | 4289973673 (0xFFB3CDA9) |
| YUV | 193.1220, -11.8921, -12.3850 |
| Hunter-Lab | 74.9072, -17.6993, 16.1373 |

Details

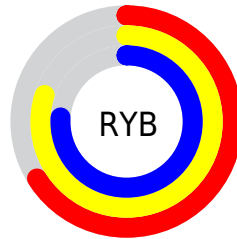
The XYZ color **47.5832, 56.1109, 45.8587** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.7152, 44.3873, 63.8132**, and the grayscale version is **50.8310, 53.4781, 58.2377**.

A 20% lighter version of the original color is **83.4755, 94.5640, 84.3741**, and **22.8817, 27.8532, 20.9998** is the 20% darker color. If you saturate the color by 10%, you get **42.5675, 53.7321, 36.3532**, and if you desaturate by 10%, it is **53.2712, 58.8047, 56.9731**.

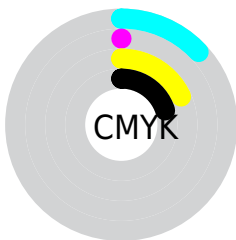
Distribution



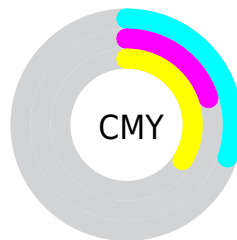
- Red (70%)
- Green (80%)
- Blue (66%)



- Red (66%)
- Yellow (80%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)



- Cyan (30%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5832, 56.1109, 45.8587 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 47.5832, 56.1109, 45.8587 by changing the saturation by 10% instead.

■ 47.5832, 56.1109,
45.8587

■ 47.5832, 56.1109,
45.8587

367.7478,
410.1093, 386.5013

■ 33.7068, 40.2918,
31.7865

■ 85.7970, 99.1667,
85.3395

■ 22.8303, 27.7662,
20.9350

110.8650,
127.1722, 111.5852

■ 14.5882, 18.1495,
12.8857

140.3944,
160.0087, 142.7258

■ 8.6153, 11.0573,
7.2201

174.7504,
198.0606, 179.1799

■ 4.5462, 6.1054,
3.5196

214.2984,
241.7122, 221.3659

■ 2.0156, 2.9093,
1.3657

259.4037,

■ 0.6427, 1.0846,

291.3479, 269.7025

0.1147

310.4317,
347.3521, 324.6081

■ 0.0000, 0.0000,
0.0000

■ 47.5832, 56.1109,
45.8587

■ 47.5832, 56.1109,
45.8587

■ 42.5675, 53.7321,
36.3532

■ 53.2712, 58.8047,
56.9731

■ 38.1941, 51.6495,
28.3787

■ 59.6511, 61.8172,
69.7624

■ 34.4371, 49.8532,
21.8559

■ 66.7474, 65.1612,
84.2932

■ 31.2673, 48.3299,
16.6975

■ 74.5819, 68.8466,
100.6275

■ 28.6526, 47.0654,
12.8062

■ 80.4029, 71.7739,
104.2238

■ 26.5577, 46.0439,
10.0723

■ 81.1224, 72.1448,
104.2575

■ 24.9428, 45.2474,
8.3672

■ 23.7566, 44.6536,
7.5104

■ 23.5163, 44.5329,
7.3563

Harmonies

Analogous

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



51.1126, 56.1109, 40.8441



47.5832, 56.1109, 45.8587



45.6467, 56.1109, 55.3563

Triad

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



47.5832, 56.1109, 45.8587



51.2883, 56.1109, 87.3053



61.7809, 56.1109, 54.8735

Complementary

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



47.5832, 56.1109, 45.8587



47.7152, 44.3873, 63.8132

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.



61.8343, 56.1109, 67.2177



47.5832, 56.1109, 45.8587



55.6142, 56.1109, 87.1296

Square

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



47.5832, 56.1109, 45.8587



47.7058, 56.1109, 79.8319



59.5255, 56.1109, 79.3803



59.3834, 56.1109, 45.5467

Rectangle

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



47.5832, 56.1109, 45.8587



45.4484, 56.1109, 63.4757



59.5255, 56.1109, 79.3803



62.0777, 56.1109, 58.7750

Sweetspot

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



47.5847, 56.1133, 45.8599



89.7574, 97.5009, 98.2902



51.8108, 54.7867, 45.3811



19.0576, 20.7964, 20.7313



0.0000, 0.0000, 0.0000



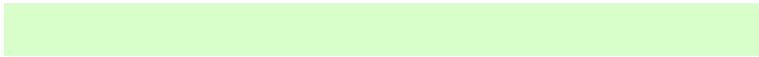
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5847, 56.1133, 45.8599



74.7701, 90.4065, 69.0457



46.1111, 55.2665, 49.7289



11.3557, 12.6852, 11.9294



14.7192, 27.7633, 4.5831



0.8342, 1.4709, 0.2399

Inverse Universe

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



47.7152, 44.3873, 63.8132



75.0200, 67.7509, 103.7310



49.4678, 45.3969, 59.1012



11.3720, 11.2411, 14.1407



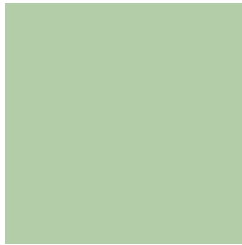
14.5661, 6.7167, 36.4850



0.8226, 0.3832, 1.8855

Previews

White Background



This preview shows how the XYZ color 47.5832, 56.1109, 45.8587 looks on a white background.

Color Contrast Check

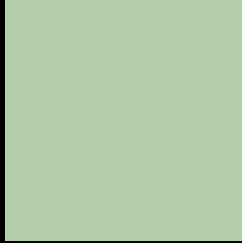
Large Text (above 18pt) WCAG AA × Fail

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 47.5832, 56.1109, 45.8587 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 47.5832, 56.1109, 45.8587

Background



This preview shows how black text looks on a background with the XYZ color 47.5832, 56.1109, 45.8587.



This preview shows how white text looks on a background with the XYZ color 47.5832, 56.1109,

45.8587.

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

47.5832, 56.1109, 45.8587

Protanopia

52.7702, 56.0590, 43.6365

Deuteranopia

56.9112, 55.8130, 46.8032



Tritanopia

52.8107, 56.1410, 71.6712

Trichromacy



Original Color

47.5832, 56.1109, 45.8587

Protanomaly

50.5632, 55.9320, 44.2074

Deuteranomaly

52.8782, 55.3804, 46.4306

Tritanomaly

50.6081, 55.9178, 61.5520

Monochromacy



Original Color

47.5832, 56.1109, 45.8587

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3570, 54.0846, 53.1854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5832, 56.1109, 45.8587 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(179, 205, 169)` looks like.

```
.text, #text, p{  
    color:rgb(179, 205, 169)  
}
```

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(179, 205, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 205, 169) }
```

Border

The CSS property to change the border of an element to XYZ 47.5832, 56.1109, 45.8587 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(179, 205, 169) }
```


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

```
.border{ border-color:rgb(179, 205, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 205, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 205, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 205, 169); box-shadow:4px 4px 4px 4px rgb(179, 205, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5832, 56.1109, 45.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 205, 169) }
```

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

```
.background{ background-color: rgb(179,  
205, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor