

Converting Colors

XYZ(42.3361, 51.5221, 46.8165)

Have a look what the booklet for
XYZ(42.3361, 51.5221, 46.8165)
contains.

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Color

**XYZ(42.3987, 51.6580,
46.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC8AC
RGB	159, 200, 172
RGB Percent	62%, 78%, 67%
CMY	0.3765, 0.2157, 0.3255
CMYK	0.21, 0.00, 0.14, 0.22
HSL	139°, 27%, 70%
HSV	139°, 21%, 78%
XYZ	42.3987, 51.6580, 46.7661
YIQ	184.5490, -15.4480, -17.4000

Conversions

Conversions Part 2

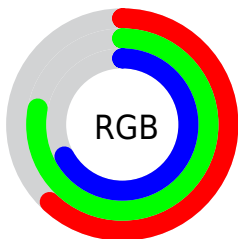
Format	Color
RYB	159, 190, 200
Decimal	10471596
CIELab	77.08, -19.15, 9.58
CIELCh	77, 21.411, 153.431
Yxy	51.6580, 0.3011, 0.3668
Android (android.graphics.Color)	4288661676 (0xFF9FC8AC)
YUV	184.5490, -6.1867, -22.4065
Hunter-Lab	71.8735, -20.4802, 11.7331

Details

The XYZ color **42.3987, 51.6580, 46.7661** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.1889, 40.6646, 52.4831**, and the grayscale version is **45.9042, 48.2947, 52.5930**.

A 20% lighter version of the original color is **77.3567, 91.3622, 86.2306**, and **19.7325, 25.0396, 21.5624** is the 20% darker color. If you saturate the color by 10%, you get **37.5039, 49.2800, 40.0379**, and if you desaturate by 10%, it is **48.0729, 54.4252, 54.2369**.

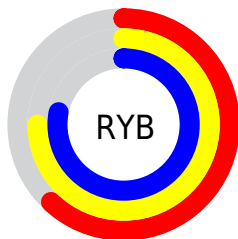
Distribution



Red (62%)

Green (78%)

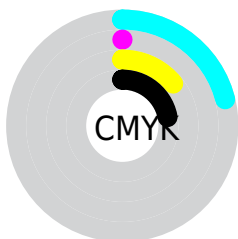
Blue (67%)



Red (62%)

Yellow (75%)

Blue (78%)

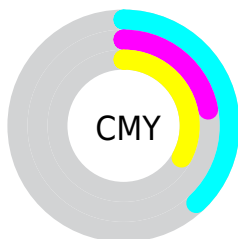


Cyan (21%)

Magenta (0%)

Yellow (14%)

Black (22%)



Cyan (38%)

Magenta (22%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3987, 51.6580, 46.7661 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 42.3987, 51.6580, 46.7661 by changing the saturation by 10% instead.

■ 42.3987, 51.6580,
46.7661

■ 42.3987, 51.6580,
46.7661

347.0966,
393.1149, 390.2468

■ 29.6061, 36.7325,
32.4978

■ 78.0641, 92.6267,
86.7107

■ 19.6864, 25.0005,
21.4740

■ 101.6675,
119.4387, 113.2240

■ 12.2742, 16.0774,
13.2763

129.6053,
150.9816, 144.6561

■ 7.0042, 9.5789,
7.4861

162.2428,
187.6400, 181.4255

■ 3.5111, 5.1207,
3.6849

199.9453,
229.7981, 223.9508

■ 1.4295, 2.3183,
1.4541

243.0782,

■ 0.2771, 0.7833,

277.8403, 272.6504

0.1834

292.0069,
332.1511, 327.9429

■ 0.0000, 0.0000,
0.0000

■ 42.3987, 51.6580,
46.7661

■ 42.3987, 51.6580,
46.7661

■ 37.5039, 49.2800,
40.0379

■ 48.0729, 54.4252,
54.2369

■ 33.3495, 47.2670,
34.0261

■ 54.5550, 57.5913,
62.4686

■ 29.8992, 45.6025,
28.7077

■ 61.8770, 61.1740,
71.4832

■ 27.1121, 44.2657,
24.0577

■ 70.0680, 65.1878,
81.3008

■ 24.9426, 43.2338,
20.0490

■ 77.6676, 68.8794,
91.8711

■ 23.3394, 42.4808,
16.6529

■ 79.7776, 69.7234,
102.9822

■ 22.2418, 41.9762,
13.8384

■ 79.9453, 69.7905,
103.8651

■ 21.5641, 41.6740,
11.6708

Harmonies

Analogous

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



44.8945, 51.6580, 39.4726



42.3987, 51.6580, 46.7661



41.6630, 51.6580, 57.6051

Triad

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



42.3987, 51.6580, 46.7661



49.5714, 51.6580, 81.8459



55.9564, 51.6580, 44.7326

Complementary

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



42.3987, 51.6580, 46.7661



45.1889, 40.6646, 52.4831

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.



57.3718, 51.6580, 54.9100



42.3987, 51.6580, 46.7661



53.5589, 51.6580, 77.2051

Square

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



42.3987, 51.6580, 46.7661



45.6666, 51.6580, 78.8813



56.4713, 51.6580, 66.9293



52.7000, 51.6580, 38.4180

Rectangle

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



42.3987, 51.6580, 46.7661



42.2340, 51.6580, 65.6827



56.4713, 51.6580, 66.9293



56.6712, 51.6580, 47.7608

Sweetspot

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



42.4001, 51.6602, 46.7672



88.0064, 96.5580, 100.0264



47.4118, 54.3811, 40.7992



18.6797, 20.5906, 21.2094



0.0000, 0.0000, 0.0000



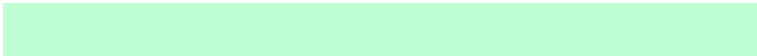
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4001, 51.6602, 46.7672



69.1248, 87.3552, 75.1505



44.5221, 52.5089, 57.9412



10.6337, 11.9424, 12.0214



13.7468, 26.5111, 7.6113



0.6841, 1.2686, 0.5352

Inverse Universe

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



45.1889, 40.6646, 52.4831



74.8901, 64.6166, 86.9614



43.1495, 39.8489, 41.7436



10.9345, 10.7572, 12.6382



18.0396, 8.9654, 15.9505



0.8860, 0.4372, 0.9228

Previews

White Background



This preview shows how the XYZ color 42.3987, 51.6580, 46.7661 looks on a white background.

Color Contrast Check

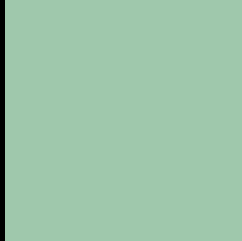
Large Text (above 18pt) WCAG AA × Fail

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 42.3987, 51.6580, 46.7661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

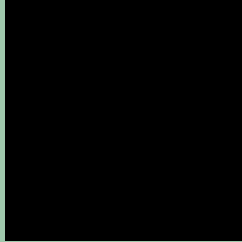
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3987, 51.6580, 46.7661

Background



This preview shows how black text looks on a background with the XYZ color 42.3987, 51.6580, 46.7661.



This preview shows how white text looks on a background with the XYZ color 42.3987, 51.6580,

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

42.3987, 51.6580, 46.7661

Protanopia

48.6337, 51.2905, 43.4132

Deuteranopia

52.1119, 51.1083, 47.6757



Tritanopia

46.8738, 51.7903, 68.4988

Trichromacy



Original Color

42.3987, 51.6580, 46.7661

Protanomaly

45.9050, 51.1574, 44.5007

Deuteranomaly

47.8299, 50.7886, 47.3267

Tritanomaly

45.0343, 51.7046, 59.8310

Monochromacy



Original Color

42.3987, 51.6580, 46.7661

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.5562, 49.3523, 50.3576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3987, 51.6580, 46.7661 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(159, 200, 172)` looks like.

```
.text, #text, p{  
    color:rgb(159, 200, 172)  
}
```

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(159, 200, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 200, 172) }
```

Border

The CSS property to change the border of an element to XYZ 42.3987, 51.6580, 46.7661 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(159, 200, 172) }
```


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

```
.border{ border-color:rgb(159, 200, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 200, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 200, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 200, 172);  
box-shadow:4px 4px 4px 4px rgb(159, 200,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3987, 51.6580, 46.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 200, 172) }
```

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

```
.background{ background-color: rgb(159,  
200, 172) }
```

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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