

Converting Colors

XYZ(41.8230, 50.7594, 45.8962)

Have a look what the booklet for
XYZ(41.8230, 50.7594, 45.8962)
contains.

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Color

**XYZ(41.8428, 50.6994,
46.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC6AB
RGB	159, 198, 171
RGB Percent	62%, 78%, 67%
CMY	0.3765, 0.2235, 0.3294
CMYK	0.20, 0.00, 0.14, 0.22
HSL	138°, 25%, 70%
HSV	138°, 20%, 78%
XYZ	41.8428, 50.6994, 46.1087
YIQ	183.2610, -14.5770, -16.6650

Conversions

Conversions Part 2

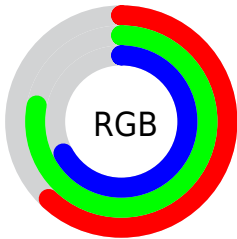
Format	Color
RYB	159, 189, 198
Decimal	10471083
CIELab	76.50, -18.33, 9.29
CIELCh	76, 20.549, 153.128
Yxy	50.6994, 0.3018, 0.3657
Android (android.graphics.Color)	4288661163 (0xFF9FC6AB)
YUV	183.2610, -6.0447, -21.2769
Hunter-Lab	71.2035, -19.7105, 11.4485

Details

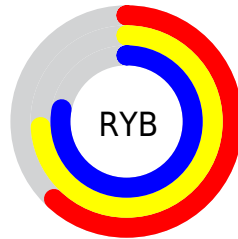
The XYZ color **41.8428, 50.6994, 46.1087** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.5515, 40.3483, 51.8963**, and the grayscale version is **45.1920, 47.5455, 51.7770**.

A 20% lighter version of the original color is **77.2190, 91.3071, 85.5057**, and **19.3664, 24.4042, 21.1425** is the 20% darker color. If you saturate the color by 10%, you get **36.9870, 48.3408, 39.4111**, and if you desaturate by 10%, it is **47.4660, 53.4408, 53.5519**.

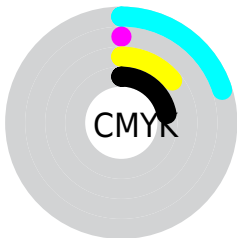
Distribution



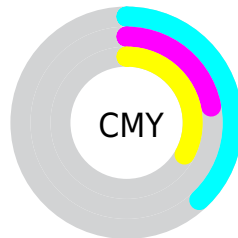
- Red (62%)
- Green (78%)
- Blue (67%)



- Red (62%)
- Yellow (74%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)



- Cyan (38%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8428, 50.6994, 46.1087 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 41.8428, 50.6994, 46.1087 by changing the saturation by 10% instead.

■ 41.8428, 50.6994,
46.1087

■ 41.8428, 50.6994,
46.1087

344.8336,
389.3948, 387.5358

■ 29.1688, 35.9694,
31.9823

■ 77.2283, 91.2103,
85.7176

■ 19.3535, 24.4106,
21.0833

■ 100.6705,
117.7600, 112.0373

■ 12.0315, 15.6385,
12.9931

128.4328,
149.0184, 143.2585

■ 6.8375, 9.2687,
7.2931

160.8806,
185.3699, 179.7997

■ 3.4061, 4.9169,
3.5649

198.3793,
227.1989, 222.0795

■ 1.3720, 2.1986,
1.3898

241.2940,

■ 0.2361, 0.7192,

274.8898, 270.5164

0.1337

289.9904,
328.8269, 325.5290

■ 0.0000, 0.0000,
0.0000

■ 41.8428, 50.6994,
46.1087

■ 41.8428, 50.6994,
46.1087

■ 36.9870, 48.3408,
39.4111

■ 47.4660, 53.4408,
53.5519

■ 32.8602, 46.3414,
33.4325

■ 53.8841, 56.5744,
61.7592

■ 29.4274, 44.6851,
28.1499

■ 61.1286, 60.1175,
70.7529

■ 26.6486, 43.3518,
23.5377

■ 69.2278, 64.0843,
80.5532

■ 24.4797, 42.3193,
19.5687

■ 77.0954, 67.9143,
91.1277

■ 22.8707, 41.5624,
16.2137

■ 79.2047, 68.7580,
102.2352

■ 21.7633, 41.0517,
13.4413

■ 79.4851, 68.8702,
103.7117

■ 21.0540, 40.7346,
11.2154

■ 21.0353, 40.7263,
11.1562

Harmonies

Analogous

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



44.2299, 50.6994, 39.1917



41.8428, 50.6994, 46.1087



41.1248, 50.6994, 56.3756

Triad

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



41.8428, 50.6994, 46.1087



48.5960, 50.6994, 79.3690



54.7012, 50.6994, 44.3431

Complementary

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



41.8428, 50.6994, 46.1087



44.5515, 40.3483, 51.8963

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.



56.0175, 50.6994, 54.0468



41.8428, 50.6994, 46.1087



52.3760, 50.6994, 75.0710

Square

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



41.8428, 50.6994, 46.1087



44.8983, 50.6994, 76.5093



55.1448, 50.6994, 65.4208



51.6351, 50.6994, 38.2724

Rectangle

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



41.8428, 50.6994, 46.1087



41.6558, 50.6994, 64.0160



55.1448, 50.6994, 65.4208



55.3702, 50.6994, 47.2385

Sweetspot

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



41.8442, 50.7015, 46.1098



87.9845, 96.5492, 99.9113



46.7767, 53.3706, 40.6375



18.6746, 20.5885, 21.1823



0.0000, 0.0000, 0.0000



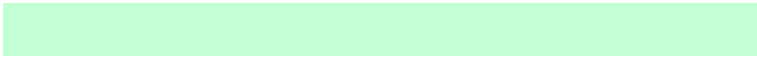
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8442, 50.7015, 46.1098



69.9202, 87.7482, 75.9568



43.8099, 51.4878, 56.4611



10.6296, 11.9407, 11.9997



13.7131, 26.4976, 7.4336



0.6821, 1.2678, 0.5249

Inverse Universe

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



44.5515, 40.3483, 51.8963



75.6523, 65.8206, 88.2037



42.6449, 39.5857, 41.8563



10.9388, 10.7589, 12.6609



18.1251, 8.9996, 16.4006



0.8895, 0.4387, 0.9415

Previews

White Background



This preview shows how the XYZ color 41.8428, 50.6994, 46.1087 looks on a white background.

Color Contrast Check

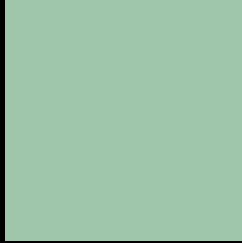
Large Text (above 18pt) WCAG AA × Fail

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 41.8428, 50.6994, 46.1087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

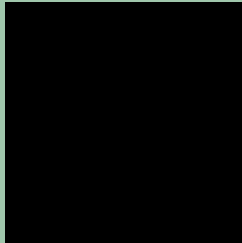
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8428, 50.6994, 46.1087

Background



This preview shows how black text looks on a background with the XYZ color 41.8428, 50.6994, 46.1087.



This preview shows how white text looks on a background with the XYZ color 41.8428, 50.6994,

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

41.8428, 50.6994, 46.1087

Protanopia

47.8921, 50.5899, 43.3170

Deuteranopia

51.5193, 50.5089, 47.0782



Tritanopia

46.1810, 50.8010, 67.0461

Trichromacy



Original Color

41.8428, 50.6994, 46.1087

Protanomaly

45.4460, 50.5937, 44.4161

Deuteranomaly

47.5184, 50.3210, 46.7436

Tritanomaly

44.4697, 50.7569, 59.0830

Monochromacy



Original Color

41.8428, 50.6994, 46.1087

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.5755, 48.2198, 49.6585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8428, 50.6994, 46.1087 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, 198, 171)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 171)  
}
```

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, 198, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 171) }
```

Border

The CSS property to change the border of an element to XYZ 41.8428, 50.6994, 46.1087 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, 198, 171) }
```


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

```
.border{ border-color:rgb(159, 198, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 198, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 198, 171); box-shadow:4px 4px 4px 4px rgb(159, 198, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8428, 50.6994, 46.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 171) }
```

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

```
.background{ background-color: rgb(159,  
198, 171) }
```

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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