

Converting Colors

XYZ(41.9804, 57.0438, 46.1180)

Have a look what the booklet for
XYZ(41.9804, 57.0438, 46.1180)
contains.

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Color

**XYZ(41.9431, 56.8687,
46.3022)**

Conversions

Conversions Part 1

Format	Color
Hex	8AD7A9
RGB	138, 215, 169
RGB Percent	54%, 84%, 66%
CMY	0.4588, 0.1568, 0.3372
CMYK	0.36, 0.00, 0.21, 0.16
HSL	144°, 49%, 69%
HSV	144°, 36%, 84%
XYZ	41.9431, 56.8687, 46.3022
YIQ	186.7330, -31.1260, -30.6300

Conversions

Conversions Part 2

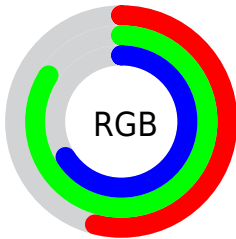
Format	Color
RYB	138, 193, 215
Decimal	9099177
CIELab	80.11, -33.58, 15.30
CIElCh	80, 36.904, 155.505
Yxy	56.8687, 0.2890, 0.3919
Android (android.graphics.Color)	4287289257 (0xFF8AD7A9)
YUV	186.7330, -8.7424, -42.7388
Hunter-Lab	75.4113, -32.6898, 16.3842

Details

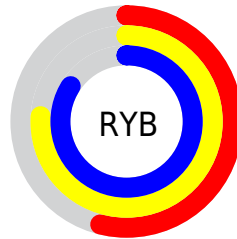
The XYZ color **41.9431, 56.8687, 46.3022** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.7665, 36.0861, 49.9029**, and the grayscale version is **47.1451, 49.6003, 54.0147**.

A 20% lighter version of the original color is **71.4627, 88.3712, 83.8119**, and **19.4378, 28.3108, 21.2697** is the 20% darker color. If you saturate the color by 10%, you get **37.5849, 54.7561, 40.1103**, and if you desaturate by 10%, it is **47.1270, 59.3964, 53.1536**.

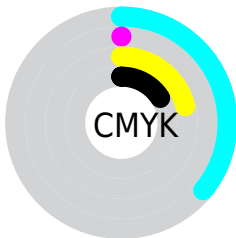
Distribution



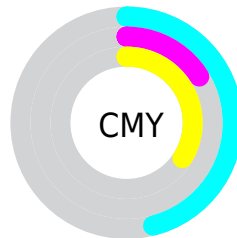
- Red (54%)
- Green (84%)
- Blue (66%)



- Red (54%)
- Yellow (76%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)





- Cyan (46%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9431, 56.8687, 46.3022 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 41.9431, 56.8687, 46.3022 by changing the saturation by 10% instead.


 41.9431, 56.8687,
46.3022


 41.9431, 56.8687,
46.3022


345.2427,
412.9571, 388.3351

 29.2477, 40.8998,
32.1340


 77.3792, 100.2736,
86.0101

 19.4135, 28.2408,
21.1982


 100.8506,
128.4784, 112.3869

 12.0752, 18.5073,
13.0763


 128.6446,
161.5306, 143.6703

 6.8675, 11.3148,
7.3498

161.1267,
199.8147, 180.2788

 3.4249, 6.2790,
3.6000

198.6622,
243.7150, 222.6310

 1.3823, 3.0155,
1.4086

241.6165,

 0.2435, 1.1398,

293.6159, 271.1454

0.1484

290.3548,
349.9018, 326.2406

■ 0.0000, 0.0117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9431, 56.8687,
46.3022

■ 41.9431, 56.8687,
46.3022

■ 37.5849, 54.7561,
40.1103

■ 47.1270, 59.3964,
53.1536

■ 34.0025, 53.0286,
34.5543

■ 53.1736, 62.3532,
60.6797

■ 31.1480, 51.6634,
29.6144

■ 60.1231, 65.7611,
68.8999

■ 28.9653, 50.6321,
25.2687

■ 68.0118, 69.6383,
77.8316

■ 27.3900, 49.9019,
21.4934

■ 76.8739, 74.0023,
87.4918

■ 26.3430, 49.4326,
18.2630

■ 82.1868, 76.5211,
97.6834

■ 26.0037, 49.2839,
17.0645

■ 83.5915, 77.0830,
105.0805

Harmonies

Analogous

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



46.0887, 56.8687, 33.9781



41.9431, 56.8687, 46.3022



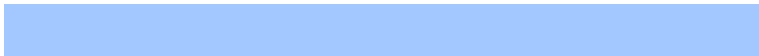
40.9101, 56.8687, 65.9748

Triad

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



41.9431, 56.8687, 46.3022



55.4498, 56.8687, 112.9058



66.6854, 56.8687, 40.8663

Complementary

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



41.9431, 56.8687, 46.3022



45.7665, 36.0861, 49.9029

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.



69.7441, 56.8687, 58.0355



41.9431, 56.8687, 46.3022



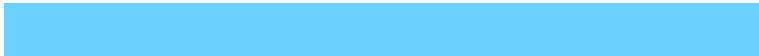
62.8834, 56.8687, 102.0752

Square

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



41.9431, 56.8687, 46.3022



48.2810, 56.8687, 107.7148



68.2923, 56.8687, 80.7064



60.2654, 56.8687, 31.3866

Rectangle

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



41.9431, 56.8687, 46.3022



42.0341, 56.8687, 81.4979



68.2923, 56.8687, 80.7064



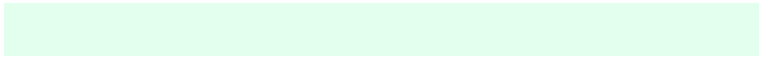
68.1666, 56.8687, 45.7596

Sweetspot

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



41.9446, 56.8710, 46.3035



82.8911, 94.0301, 94.8566



48.7050, 60.6535, 33.1857



17.4464, 19.9813, 19.9518



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.



41.9446, 56.8710, 46.3035



56.7378, 81.2672, 61.1211



46.0827, 58.5263, 68.0944



12.4675, 13.9780, 14.2763



15.6020, 29.4961, 10.4657



0.9814, 1.7952, 0.8438

Inverse Universe

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



45.7665, 36.0861, 49.9029



63.1589, 46.3139, 67.1445



42.2794, 34.6913, 31.5405



12.7315, 12.5441, 14.5266



19.1636, 9.6018, 13.4315



1.1963, 0.5953, 1.0232

Previews

White Background



This preview shows how the XYZ color 41.9431, 56.8687, 46.3022 looks on a white background.

Color Contrast Check

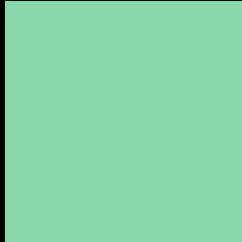
Large Text (above 18pt) WCAG AA × Fail

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 41.9431, 56.8687, 46.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

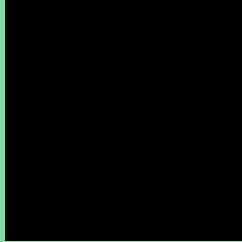
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9431, 56.8687, 46.3022

Background



This preview shows how black text looks on a background with the XYZ color 41.9431, 56.8687, 46.3022.

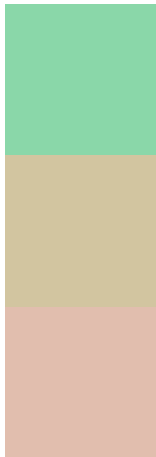


This preview shows how white text looks on a background with the XYZ color 41.9431, 56.8687,

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

41.9431, 56.8687, 46.3022

Protanopia

52.8898, 56.1722, 41.3124

Deuteranopia

57.1048, 55.8905, 47.8226



Tritanopia

48.5881, 56.9776, 78.9579

Trichromacy



Original Color

41.9431, 56.8687, 46.3022



Protanomaly

47.9709, 56.0204, 42.9350



Deuteranomaly

49.8621, 55.1629, 47.0492



Tritanomaly

46.0474, 57.0592, 65.7133

Monochromacy



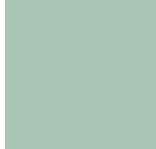
Original Color

41.9431, 56.8687, 46.3022



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.5667, 51.6628, 50.8030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9431, 56.8687, 46.3022 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(138, 215, 169)` looks like.

```
.text, #text, p{  
    color:rgb(138, 215, 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(138, 215, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 215, 169) }
```

Border

The CSS property to change the border of an element to XYZ 41.9431, 56.8687, 46.3022 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(138, 215, 169) }
```


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

```
.border{ border-color:rgb(138, 215, 169) }
```

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

Here you see how a box with a 4 pixel rgb(138, 215, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 215, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 215, 169);  
box-shadow:4px 4px 4px 4px rgb(138, 215,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9431, 56.8687, 46.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 215, 169) }
```

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

```
.background{ background-color: rgb(138,  
215, 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](#).

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