

Converting Colors

XYZ(41.9887, 57.2144, 48.3073)

Have a look what the booklet for
XYZ(41.9887, 57.2144, 48.3073)
contains.

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Color

**XYZ(41.9302, 57.1972,
48.3654)**

Conversions

Conversions Part 1

Format	Color
Hex	86D8AD
RGB	134, 216, 173
RGB Percent	53%, 85%, 68%
CMY	0.4745, 0.1529, 0.3216
CMYK	0.38, 0.00, 0.20, 0.15
HSL	149°, 51%, 69%
HSV	149°, 38%, 85%
XYZ	41.9302, 57.1972, 48.3654
YIQ	186.5800, -35.0690, -30.7570

Conversions

Conversions Part 2

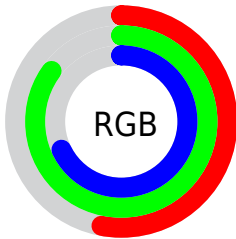
Format	Color
RYB	134, 190, 216
Decimal	8837293
CIELab	80.29, -34.42, 13.42
CIELCh	80, 36.941, 158.702
Yxy	57.1972, 0.2843, 0.3878
Android (android.graphics.Color)	4287027373 (0xFF86D8AD)
YUV	186.5800, -6.6949, -46.1127
Hunter-Lab	75.6288, -33.3863, 15.0236

Details

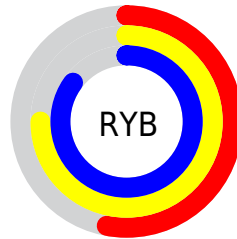
The XYZ color **41.9302, 57.1972, 48.3654** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.7817, 34.8248, 45.9587**, and the grayscale version is **47.0494, 49.4996, 53.9051**.

A 20% lighter version of the original color is **70.9988, 88.0686, 86.6557**, and **19.5043, 28.5757, 22.5768** is the 20% darker color. If you saturate the color by 10%, you get **37.7829, 55.1821, 42.6908**, and if you desaturate by 10%, it is **46.8767, 59.6167, 54.5650**.

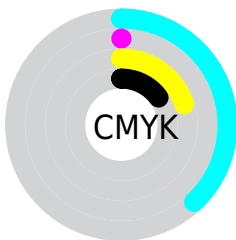
Distribution



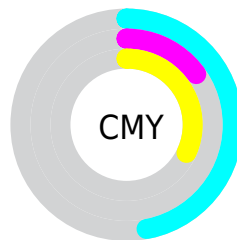
- Red (53%)
- Green (85%)
- Blue (68%)



- Red (53%)
- Yellow (75%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)





- Cyan (47%)
- Magenta (15%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9302, 57.1972, 48.3654 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 41.9302, 57.1972, 48.3654 by changing the saturation by 10% instead.


 41.9302, 57.1972,
48.3654

 41.9302, 57.1972,
48.3654


345.1901,
414.1878, 396.7891


 29.2375, 41.1636,
33.7543


 77.3598, 100.7529,
89.1194

 19.4058, 28.4469,
22.4291


 100.8274,
129.0437, 116.0994

 12.0696, 18.6628,
13.9712


 128.6174,
162.1891, 148.0394

 6.8636, 11.4269,
7.9621

161.0951,
200.5734, 185.3580

 3.4225, 6.3547,
3.9833

198.6258,
244.5810, 228.4737

 1.3809, 3.0620,
1.6162

241.5750,

 0.2426, 1.1642,

294.5964, 277.8051

0.3023

290.3080,
351.0039, 333.7707

■ 0.0000, 0.0321,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9302, 57.1972,
48.3654

■ 41.9302, 57.1972,
48.3654

■ 37.7829, 55.1821,
42.6908

■ 46.8767, 59.6167,
54.5650

■ 34.3848, 53.5411,
37.5232

■ 52.6593, 62.4547,
61.2993

■ 31.6871, 52.2511,
32.8491

■ 59.3184, 65.7333,
68.5825

■ 29.6332, 51.2830,
28.6529

■ 66.8901, 69.4708,
76.4271

■ 28.1566, 50.6029,
24.9179

■ 75.4084, 73.6847,
84.8452

■ 27.1637, 50.1629,
21.6256

■ 81.6690, 76.7227,
93.6969

■ 26.9916, 50.0877,
21.0065

■ 83.4141, 77.4207,
102.8865

■ 83.8469, 77.5939,
105.1656

Harmonies

Analogous

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



45.7836, 57.1972, 35.1420



41.9302, 57.1972, 48.3654



41.2407, 57.1972, 68.7817

Triad

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



41.9302, 57.1972, 48.3654



56.5900, 57.1972, 113.0735



66.4977, 57.1972, 39.7329

Complementary

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



41.9302, 57.1972, 48.3654



44.7817, 34.8248, 45.9587

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.



70.0125, 57.1972, 56.1979



41.9302, 57.1972, 48.3654



63.9550, 57.1972, 100.6818

Square

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



41.9302, 57.1972, 48.3654



49.2603, 57.1972, 109.5962



69.0413, 57.1972, 78.6315



59.8091, 57.1972, 31.0198

Rectangle

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



41.9302, 57.1972, 48.3654



42.5999, 57.1972, 84.4528



69.0413, 57.1972, 78.6315



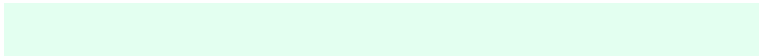
68.1165, 57.1972, 44.3703

Sweetspot

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



41.9318, 57.1995, 48.3667



83.1942, 94.1513, 96.4527



47.1598, 60.2690, 31.7024



17.5185, 20.0102, 20.3314



0.0000, 0.0000, 0.0000



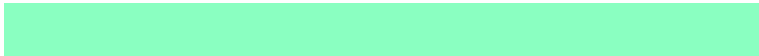
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9318, 57.1995, 48.3667



55.8718, 80.7698, 63.3830



46.4334, 59.0002, 72.0720



12.5059, 13.9934, 14.4784



16.0294, 29.6671, 12.7164



1.0085, 1.8060, 0.9864

Inverse Universe

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



44.7817, 34.8248, 45.9587



60.6190, 43.4844, 59.3606



41.3419, 33.4488, 27.8448



12.6926, 12.5285, 14.3213



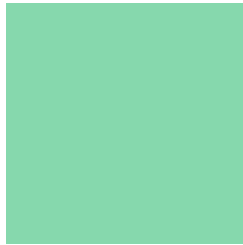
18.5902, 9.3724, 10.4118



1.1630, 0.5820, 0.8477

Previews

White Background



This preview shows how the XYZ color 41.9302, 57.1972, 48.3654 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 41.9302, 57.1972, 48.3654 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

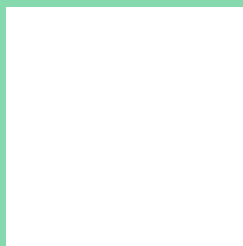
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9302, 57.1972, 48.3654

Background



This preview shows how black text looks on a background with the XYZ color 41.9302, 57.1972, 48.3654.



This preview shows how white text looks on a background with the XYZ color 41.9302, 57.1972,

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

41.9302, 57.1972, 48.3654

Protanopia

53.1894, 56.6238, 43.2481

Deuteranopia

57.7180, 56.4835, 49.9798



Tritanopia

48.3820, 57.2029, 80.4428

Trichromacy



Original Color

41.9302, 57.1972, 48.3654



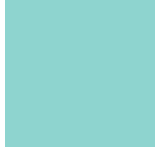
Protanomaly

48.0978, 56.3977, 44.9100



Deuteranomaly

50.2290, 55.6496, 49.1684



Tritanomaly

45.9613, 57.3427, 67.6773

Monochromacy



Original Color

41.9302, 57.1972, 48.3654



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.7860, 52.0904, 51.9499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9302, 57.1972, 48.3654 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(134, 216, 173)` looks like.

```
.text, #text, p{  
    color:rgb(134, 216, 173)  
}
```

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(134, 216, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 216, 173) }
```

Border

The CSS property to change the border of an element to XYZ 41.9302, 57.1972, 48.3654 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(134, 216, 173) }
```


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

```
.border{ border-color:rgb(134, 216, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 216, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 216, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 216, 173); box-shadow:4px 4px 4px 4px rgb(134, 216, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9302, 57.1972, 48.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 216, 173) }
```

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

```
.background{ background-color: rgb(134,  
216, 173) }
```

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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