

Converting Colors

XYZ(41.3493, 56.6973, 44.9725)

Have a look what the booklet for
XYZ(41.3493, 56.6973, 44.9725)
contains.

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Color

**XYZ(41.1750, 56.5049,
44.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	87D7A6
RGB	135, 215, 166
RGB Percent	53%, 84%, 65%
CMY	0.4706, 0.1568, 0.3490
CMYK	0.37, 0.00, 0.23, 0.16
HSL	143°, 50%, 69%
HSV	143°, 37%, 84%
XYZ	41.1750, 56.5049, 44.8128
YIQ	185.4940, -31.9510, -32.1990

Conversions

Conversions Part 2

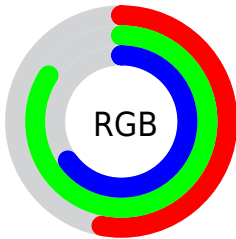
Format	Color
RYB	135, 193, 215
Decimal	8902566
CIELab	79.90, -35.04, 16.58
CIELCh	80, 38.759, 154.679
Yxy	56.5049, 0.2890, 0.3965
Android (android.graphics.Color)	4287092646 (0xFF87D7A6)
YUV	185.4940, -9.6105, -44.2832
Hunter-Lab	75.1697, -33.7718, 17.2728

Details

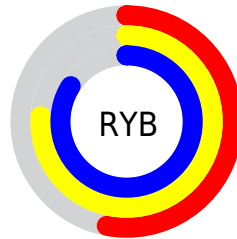
The XYZ color **41.1750, 56.5049, 44.8128** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.3418, 35.2369, 49.7611**, and the grayscale version is **46.4552, 48.8744, 53.2243**.

A 20% lighter version of the original color is **70.2970, 87.8168, 81.6519**, and **19.0014, 28.1058, 20.3431** is the 20% darker color. If you saturate the color by 10%, you get **36.9122, 54.4414, 38.6274**, and if you desaturate by 10%, it is **46.2631, 58.9827, 51.6851**.

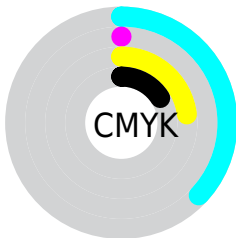
Distribution



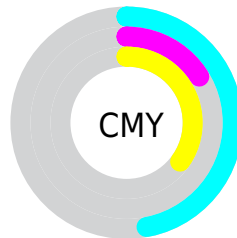
- Red (53%)
- Green (84%)
- Blue (65%)



- Red (53%)
- Yellow (76%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1750, 56.5049, 44.8128 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 41.1750, 56.5049, 44.8128 by changing the saturation by 10% instead.

41.1750, 56.5049,
44.8128

41.1750, 56.5049,
44.8128

342.1016,
411.5915, 382.1529

28.6441, 40.6079,
30.9681

76.2225, 99.7424,
83.7549

18.9547, 28.0128,
20.3163

99.4699, 127.8517,
109.6894

11.7414, 18.3353,
12.4388

127.0201,
160.8005, 140.4909

6.6388, 11.1910,
6.9171

159.2385,
198.9733, 176.5780

3.2815, 6.1955,
3.3327

196.4905,
242.7543, 218.3692

1.3043, 2.9643,
1.2669

239.1415,

0.1865, 1.1131,

292.5281, 266.2831

0.0344

287.5567,
348.6791, 320.7381

■ 0.0000, 0.0000,
0.0000

■ 41.1750, 56.5049,
44.8128

■ 41.1750, 56.5049,
44.8128

■ 36.9122, 54.4414,
38.6274

■ 46.2631, 58.9827,
51.6851

■ 33.4240, 52.7619,
33.1035

■ 52.2143, 61.8891,
59.2609

■ 30.6614, 51.4429,
28.2198


■ 59.0694, 65.2464,
67.5611


■ 28.5671, 50.4555,
23.9522


■ 66.8651, 69.0732,
76.6045


■ 27.0746, 49.7660,
20.2751

■ 75.6364, 73.3870,
86.4092

 26.0963, 49.3296,
17.1602

 82.0255, 76.4566,
96.8341

 25.8749, 49.2323,
16.3861

 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.



45.5609, 56.5049, 32.3621



41.1750, 56.5049, 44.8128



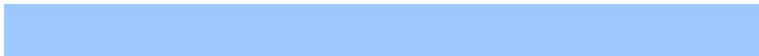
40.0125, 56.5049, 65.1215

Triad

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



41.1750, 56.5049, 44.8128



54.9480, 56.5049, 115.5059



67.1124, 56.5049, 40.0441

Complementary

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



41.1750, 56.5049, 44.8128



45.3418, 35.2369, 49.7611

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.



70.2142, 56.5049, 58.0620



41.1750, 56.5049, 44.8128



62.7687, 56.5049, 104.4041

Square

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



41.1750, 56.5049, 44.8128



47.5006, 56.5049, 109.5062



68.5523, 56.5049, 81.9461



60.4301, 56.5049, 30.1163

Rectangle

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



41.1750, 56.5049, 44.8128



41.1151, 56.5049, 81.4152



68.5523, 56.5049, 81.9461



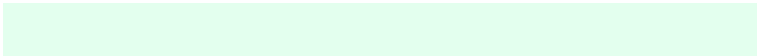
68.6365, 56.5049, 45.1695

Sweetspot

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



41.1765, 56.5072, 44.8141



82.8288, 94.0052, 94.5290



48.5226, 60.5842, 32.0587



17.4316, 19.9754, 19.8739



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.



41.1765, 56.5072, 44.8141



55.3443, 80.6079, 58.3832



45.3940, 58.1942, 67.0229



12.4596, 13.9749, 14.2348



15.5240, 29.4649, 10.0548



0.9763, 1.7932, 0.8167

Inverse Universe

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



45.3418, 35.2369, 49.7611



62.3543, 44.7692, 66.6779



41.7494, 33.7999, 30.8437



12.7396, 12.5474, 14.5692



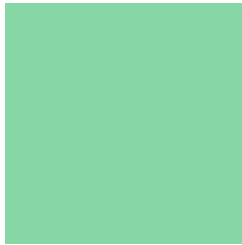
19.2936, 9.6538, 14.1161



1.2037, 0.5983, 1.0620

Previews

White Background



This preview shows how the XYZ color 41.1750, 56.5049, 44.8128 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 41.1750, 56.5049, 44.8128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

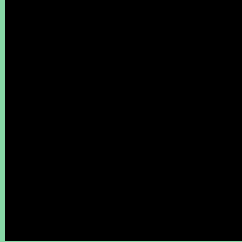
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1750, 56.5049, 44.8128

Background



This preview shows how black text looks on a background with the XYZ color 41.1750, 56.5049, 44.8128.



This preview shows how white text looks on a background with the XYZ color 41.1750, 56.5049,

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

41.1750, 56.5049, 44.8128

Protanopia

52.3466, 55.9221, 39.9334

Deuteranopia

56.8155, 55.7747, 46.2992



Tritanopia

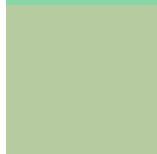
47.9801, 56.3034, 78.8598

Trichromacy



Original Color

41.1750, 56.5049, 44.8128



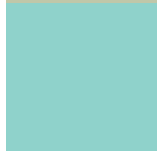
Protanomaly

47.2294, 55.6689, 41.5136



Deuteranomaly

49.3231, 54.9179, 45.5367



Tritanomaly

45.1538, 56.2446, 64.9764

Monochromacy



Original Color

41.1750, 56.5049, 44.8128



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.7122, 50.9097, 49.6422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1750, 56.5049, 44.8128 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(135, 215, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 215, 166)  
}
```

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(135, 215, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 215, 166) }
```

Border

The CSS property to change the border of an element to XYZ 41.1750, 56.5049, 44.8128 is called "border". The border property can be set on classes, ids or directly on the HTML element.

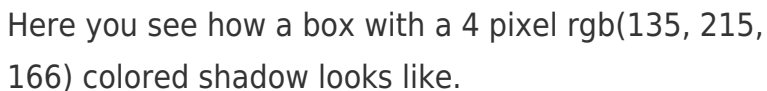
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 215, 166) }
```


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

```
.border{ border-color:rgb(135, 215, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 215, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 215, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 215, 166); box-shadow:4px 4px 4px 4px rgb(135, 215, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1750, 56.5049, 44.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 215, 166) }
```

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

```
.background{ background-color: rgb(135,  
215, 166) }
```

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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