

Converting Colors

XYZ(45.6612, 63.6031, 56.4804)

Have a look what the booklet for
XYZ(45.6612, 63.6031, 56.4804)
contains.

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Color

**XYZ(45.6596, 63.6991,
56.3430)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 81E4BA |
| RGB | 129, 228, 186 |
| RGB Percent | 51%, 89%, 73% |
| CMY | 0.4941, 0.1059, 0.2706 |
| CMYK | 0.43, 0.00, 0.18, 0.11 |
| HSL | 155°, 65%, 70% |
| HSV | 155°, 43%, 89% |
| XYZ | 45.6596, 63.6991, 56.3430 |
| YIQ | 193.6110, -45.5220, -34.0500 |

Conversions

Conversions Part 2

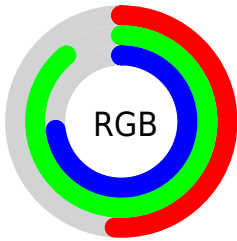
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 129, 192, 228 |
| Decimal | 8512698 |
| CIELab | 83.81, -38.62, 11.52 |
| CIELCh | 84, 40.299, 163.394 |
| Yxy | 63.6991, 0.2756, 0.3844 |
| Android (android.graphics.Color) | 4286702778 (0xFF81E4BA) |
| YUV | 193.6110, -3.7522, -56.6638 |
| Hunter-Lab | 79.8117, -37.5522, 14.0125 |

Details

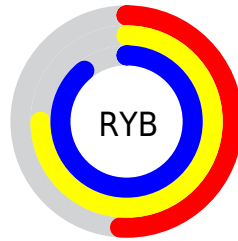
The XYZ color **45.6596, 63.6991, 56.3430** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.1980, 35.1364, 42.8250**, and the grayscale version is **51.0905, 53.7512, 58.5350**.

A 20% lighter version of the original color is **72.0367, 88.3699, 97.2648**, and **21.6586, 32.5762, 27.3366** is the 20% darker color. If you saturate the color by 10%, you get **41.5815, 61.7133, 50.9652**, and if you desaturate by 10%, it is **50.5835, 66.1163, 62.1266**.

Distribution



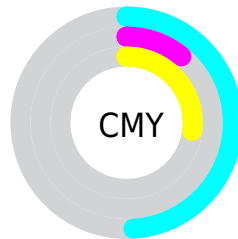
- Red (51%)
- Green (89%)
- Blue (73%)



- Red (51%)
- Yellow (75%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6596, 63.6991, 56.3430 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 45.6596, 63.6991, 56.3430 by changing the saturation by 10% instead.


 45.6596, 63.6991,
56.3430


 45.6596, 63.6991,
56.3430


360.1774,
438.1022, 428.4074


 32.1808, 46.4070,
40.0722


 82.9403, 110.1775,
100.9967

 21.6558, 32.5671,
27.2806


 107.4729,
140.1325, 130.2166

 13.7194, 21.7950,
17.5498

 136.4208,
175.0774, 164.5900

 8.0062, 13.7064,
10.4611

170.1494,
215.3964, 204.5354

 4.1507, 7.9167,
5.5962

209.0240,
261.4740, 250.4712

 1.7878, 4.0417,
2.5363

253.4099,

 0.5103, 1.6969,

313.6946, 302.8162

0.8593

303.6726,
372.4425, 361.9887

■ 0.0000, 0.4217,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6596, 63.6991,
56.3430

■ 45.6596, 63.6991,
56.3430

■ 41.5815, 61.7133,
50.9652

■ 50.5835, 66.1163,
62.1266

■ 38.2906, 60.1237,
45.9793


■ 56.3964, 68.9819,
68.3208


■ 35.7288, 58.9023,
41.3764

■ 63.1450, 72.3214,
74.9360


■ 33.8273, 58.0137,
37.1458


■ 70.8707, 76.1563,
81.9806


 32.5026, 57.4151,
33.2757

 79.6126, 80.5063,
89.4629

 31.8597, 57.1352,
30.9182

 85.3200, 83.2833,
97.1995

 86.8283, 83.8866,
105.1421

 87.0345, 83.9691,
106.2282

Harmonies

Analogous

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



49.5915, 63.6991, 39.6338



45.6596, 63.6991, 56.3430



45.4554, 63.6991, 81.2679

Triad

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



45.6596, 63.6991, 56.3430



64.5713, 63.6991, 128.3772



73.7678, 63.6991, 40.9789

Complementary

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



45.6596, 63.6991, 56.3430



47.1980, 35.1364, 42.8250

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.



78.6492, 63.6991, 58.6716



45.6596, 63.6991, 56.3430



73.0011, 63.6991, 111.1315

Square

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



45.6596, 63.6991, 56.3430



55.8106, 63.6991, 127.3142



78.3557, 63.6991, 84.2360



65.5379, 63.6991, 32.3583

Rectangle

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



45.6596, 63.6991, 56.3430



47.4210, 63.6991, 99.7812



78.3557, 63.6991, 84.2360



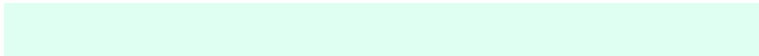
75.8890, 63.6991, 45.8471

Sweetspot

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



45.6613, 63.7017, 56.3445



81.7059, 93.3730, 96.8852



48.6992, 65.8339, 30.9103



17.0500, 19.7684, 20.3211



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.



45.6613, 63.7017, 56.3445



54.1218, 79.7984, 66.4267



49.0211, 62.1955, 82.8231



14.5354, 16.2276, 17.0842



18.4567, 33.0148, 18.1712



1.4101, 2.4582, 1.5862

Inverse Universe

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



47.1980, 35.1364, 42.8250



56.3508, 38.5183, 46.9308



44.7072, 35.5764, 25.2804



14.6295, 14.4690, 16.2491



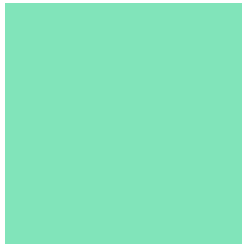
19.7702, 10.0423, 7.6848



1.5066, 0.7603, 0.8082

Previews

White Background



This preview shows how the XYZ color 45.6596, 63.6991, 56.3430 looks on a white background.

Color Contrast Check

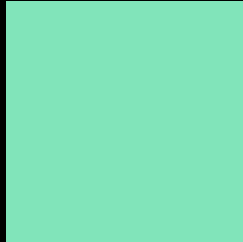
Large Text (above 18pt) WCAG AA × Fail

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 45.6596, 63.6991, 56.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

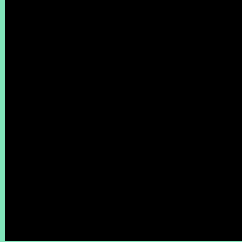
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6596, 63.6991, 56.3430

Background



This preview shows how black text looks on a background with the XYZ color 45.6596, 63.6991, 56.3430.



This preview shows how white text looks on a background with the XYZ color 45.6596, 63.6991,

56.3430.

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

45.6596, 63.6991, 56.3430

Protanopia

59.3627, 62.8203, 50.0711

Deuteranopia

64.1004, 62.6067, 58.5750



Tritanopia

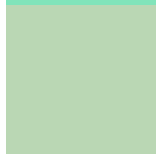
52.5918, 63.6957, 91.1840

Trichromacy



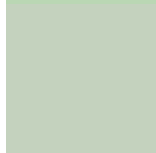
Original Color

45.6596, 63.6991, 56.3430



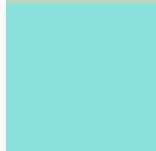
Protanomaly

52.7884, 62.3353, 52.4297



Deuteranomaly

55.1058, 61.5467, 57.6905



Tritanomaly

49.8904, 63.7970, 77.3947

Monochromacy



Original Color

45.6596, 63.6991, 56.3430



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.0528, 56.4502, 57.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6596, 63.6991, 56.3430 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(129, 228, 186)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 186)  
}
```

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(129, 228, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 186) }
```

Border

The CSS property to change the border of an element to XYZ 45.6596, 63.6991, 56.3430 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(129, 228, 186) }
```


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

```
.border{ border-color:rgb(129, 228, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 186);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6596, 63.6991, 56.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 186) }
```

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

```
.background{ background-color: rgb(129,  
228, 186) }
```

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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