

Converting Colors

XYZ(46.5203, 63.7239, 56.3927)

Have a look what the booklet for
XYZ(46.5203, 63.7239, 56.3927)
contains.

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Color

**XYZ(46.4854, 63.7176,
56.3031)**

Conversions

Conversions Part 1

Format	Color
Hex	88E3BA
RGB	136, 227, 186
RGB Percent	53%, 89%, 73%
CMY	0.4667, 0.1098, 0.2706
CMYK	0.40, 0.00, 0.18, 0.11
HSL	153°, 62%, 71%
HSV	153°, 40%, 89%
XYZ	46.4854, 63.7176, 56.3031
YIQ	195.1170, -41.0750, -32.0430

Conversions

Conversions Part 2

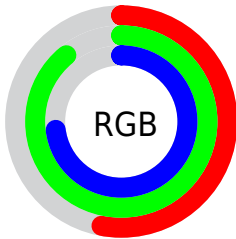
Format	Color
RYB	136, 195, 227
Decimal	8971194
CIELab	83.82, -36.31, 11.57
CIELCh	84, 38.112, 162.325
Yxy	63.7176, 0.2792, 0.3827
Android (android.graphics.Color)	4287161274 (0xFF88E3BA)
YUV	195.1170, -4.4947, -51.8456
Hunter-Lab	79.8233, -35.7406, 14.0563

Details

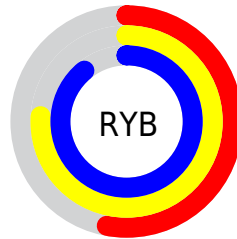
The XYZ color **46.4854, 63.7176, 56.3031** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4207, 37.1152, 46.2094**, and the grayscale version is **51.9864, 54.6938, 59.5615**.

A 20% lighter version of the original color is **73.7793, 89.2683, 97.3463**, and **22.1899, 32.5686, 27.3071** is the 20% darker color. If you saturate the color by 10%, you get **42.1334, 61.5969, 50.6258**, and if you desaturate by 10%, it is **51.6995, 66.2771, 62.4298**.

Distribution



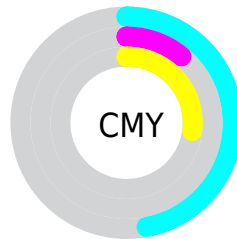
- Red (53%)
- Green (89%)
- Blue (73%)



- Red (53%)
- Yellow (76%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)




- Cyan (47%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4854, 63.7176, 56.3031 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 46.4854, 63.7176, 56.3031 by changing the saturation by 10% instead.


 46.4854, 63.7176,
56.3031


 46.4854, 63.7176,
56.3031


363.4400,
438.1691, 428.2531


 32.8353, 46.4220,
40.0404


 84.1684, 110.2041,
100.9378

 22.1589, 32.5789,
27.2560


 108.9320,
140.1638, 130.1469

 14.0910, 21.8041,
17.5314


 138.1308,
175.1137, 164.5085

 8.2661, 13.7130,
10.4482

172.1301,
215.4381, 204.4411

 4.3189, 7.9213,
5.5876

211.2953,
261.5215, 250.3634

 1.8841, 4.0447,
2.5313

255.9918,

 0.5676, 1.6986,

313.7482, 302.6937

0.8567

306.5849,
372.5026, 361.8508

■ 0.0000, 0.4227,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4854, 63.7176,
56.3031

■ 46.4854, 63.7176,
56.3031

■ 42.1334, 61.5969,
50.6258

■ 51.6995, 66.2771,
62.4298

■ 38.5868, 59.8810,
45.3828

■ 57.8174, 69.2916,
69.0120


■ 35.7904, 58.5431,
40.5641


■ 64.8842, 72.7860,
76.0611


■ 33.6790, 57.5500,
36.1575


■ 72.9404, 76.7809,
83.5868

 32.1757, 56.8622,
32.1503

 82.0242, 81.2958,
91.5983

 31.1543, 56.4141,
28.5566

 85.5560, 82.9388,
99.7951

 86.7602, 83.4205,
106.1367

Harmonies

Analogous

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



50.3587, 63.7176, 40.5753



46.4854, 63.7176, 56.3031



46.1602, 63.7176, 79.6883

Triad

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



46.4854, 63.7176, 56.3031



64.0623, 63.7176, 124.8513



73.2567, 63.7176, 42.7405

Complementary

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



46.4854, 63.7176, 56.3031



48.4207, 37.1152, 46.2094

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.



77.6844, 63.7176, 59.9971



46.4854, 63.7176, 56.3031



72.0573, 63.7176, 109.3388

Square

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



46.4854, 63.7176, 56.3031



55.8055, 63.7176, 123.2109



77.2263, 63.7176, 84.3341



65.5807, 63.7176, 34.0765

Rectangle

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



46.4854, 63.7176, 56.3031



47.9545, 63.7176, 97.0571



77.2263, 63.7176, 84.3341



75.2048, 63.7176, 47.5350

Sweetspot

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



46.4871, 63.7202, 56.3045



82.5336, 93.7949, 97.1400



50.3825, 66.2388, 33.4235



17.3984, 19.9437, 20.5297



0.0000, 0.0000, 0.0000



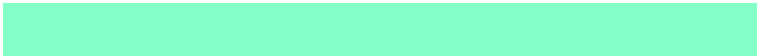
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4871, 63.7202, 56.3045



55.7777, 80.6372, 67.1768



50.6673, 64.0764, 82.3736



14.5190, 16.2210, 16.9979



18.2282, 32.9234, 16.9677



1.3937, 2.4516, 1.4997

Inverse Universe

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



48.4207, 37.1152, 46.2094



58.6230, 41.5458, 52.3648



45.3618, 36.5849, 27.9643



14.6456, 14.4754, 16.3340



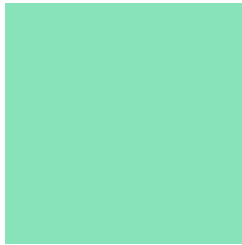
19.9388, 10.1097, 8.5727



1.5197, 0.7656, 0.8772

Previews

White Background



This preview shows how the XYZ color 46.4854, 63.7176, 56.3031 looks on a white background.

Color Contrast Check

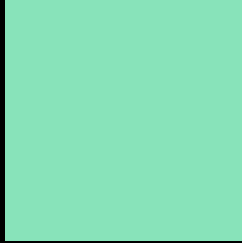
Large Text (above 18pt) WCAG AA × Fail

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 46.4854, 63.7176, 56.3031 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

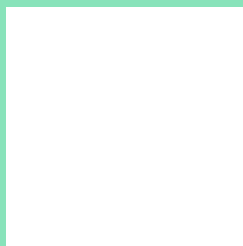
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4854, 63.7176, 56.3031

Background



This preview shows how black text looks on a background with the XYZ color 46.4854, 63.7176, 56.3031.



This preview shows how white text looks on a background with the XYZ color 46.4854, 63.7176,

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

46.4854, 63.7176, 56.3031

Protanopia

59.3627, 62.8203, 50.0711

Deuteranopia

64.3328, 63.0715, 58.6525



Tritanopia

53.2386, 63.6553, 90.3697

Trichromacy



Original Color

46.4854, 63.7176, 56.3031



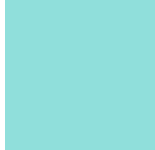
Protanomaly

53.2711, 62.2072, 52.3795



Deuteranomaly

55.6296, 61.8167, 57.7150



Tritanomaly

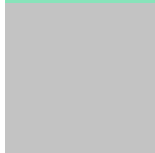
50.6755, 63.8191, 76.6653

Monochromacy



Original Color

46.4854, 63.7176, 56.3031



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2828, 57.4301, 58.3568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4854, 63.7176, 56.3031 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(136, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 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(136, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 186) }
```

Border

The CSS property to change the border of an element to XYZ 46.4854, 63.7176, 56.3031 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(136, 227, 186) }
```


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

```
.border{ border-color:rgb(136, 227, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 227, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 227, 186);  
box-shadow:4px 4px 4px 4px rgb(136, 227,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4854, 63.7176, 56.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 186) }
```

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

```
.background{ background-color: rgb(136,  
227, 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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