

# Converting Colors

XYZ(47.6228, 56.3033, 54.2566)

Have a look what the booklet for  
XYZ(47.6228, 56.3033, 54.2566)  
contains.

<b>XYZ(47.6228, 56.3033, 54.2566)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.6228, 56.3033,  
54.2566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABCEB9
RGB	171, 206, 185
RGB Percent	67%, 81%, 73%
CMY	0.3294, 0.1921, 0.2745
CMYK	0.17, 0.00, 0.10, 0.19
HSL	144°, 26%, 74%
HSV	144°, 17%, 81%
XYZ	47.6228, 56.3033, 54.2566
YIQ	193.1410, -14.1190, -13.9510

# Conversions

## Conversions Part 2

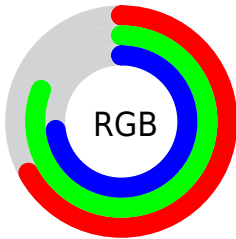
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 196, 206
Decimal	11259577
CIELab	79.79, -15.74, 6.59
CIElCh	80, 17.068, 157.293
Yxy	56.3033, 0.3011, 0.3559
Android (android.graphics.Color)	4289449657 (0xFFABCEB9)
YUV	193.1410, -4.0135, -19.4177
Hunter-Lab	75.0355, -18.0236, 9.6535

# Details

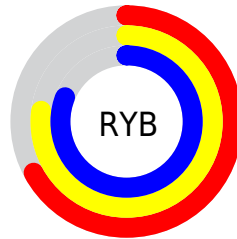
The XYZ color **47.6228, 56.3033, 54.2566** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5329, 46.0547, 56.1503**, and the grayscale version is **50.8015, 53.4471, 58.2039**.

A 20% lighter version of the original color is **83.3157, 94.2018, 97.0106**, and **22.8643, 27.9740, 26.0242** is the 20% darker color. If you saturate the color by 10%, you get **42.2320, 53.6701, 47.4867**, and if you desaturate by 10%, it is **53.8295, 59.3471, 61.6593**.

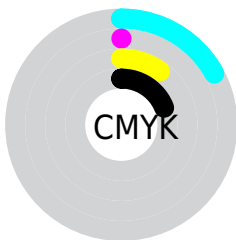
# Distribution



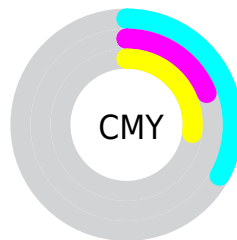
- Red (67%)
- Green (81%)
- Blue (73%)



- Red (67%)
- Yellow (77%)
- Blue (81%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (19%)



- Cyan (33%)
- Magenta (19%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6228, 56.3033, 54.2566 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 47.6228, 56.3033, 54.2566 by changing the saturation by 10% instead.



■ 47.6228, 56.3033,  
54.2566

■ 47.6228, 56.3033,  
54.2566

367.9026,  
410.8335, 420.2900

■ 33.7383, 40.4462,  
38.4123

■ 85.8556, 99.4479,  
97.9111

■ 22.8545, 27.8866,  
25.9985

110.9346,  
127.5041, 126.5584

■ 14.6062, 18.2402,  
16.5968

140.4759,  
160.3955, 160.3103

■ 8.6280, 11.1226,  
9.7885

174.8447,  
198.5064, 199.5856

■ 4.5545, 6.1493,  
5.1552

214.4064,  
242.2213, 244.8026

■ 2.0204, 2.9361,  
2.2783

259.5263,

■ 0.6454, 1.0985,

291.9245, 296.3800

0.7190

310.5700,  
348.0005, 354.7363

■ 0.0000, 0.0000,  
0.0000

■ 47.6228, 56.3033,  
54.2566

■ 47.6228, 56.3033,  
54.2566

■ 42.2320, 53.6701,  
47.4867

■ 53.8295, 59.3471,  
61.6593

■ 37.6174, 51.4227,  
41.3292

■ 60.8805, 62.8112,  
69.7072

■ 33.7426, 49.5442,  
35.7680

■ 68.8083, 66.7136,  
78.4167

■ 30.5665, 48.0139,  
30.7849

■ 77.6426, 71.0692,  
87.8029

■ 28.0437, 46.8087,  
26.3608

■ 80.0709, 72.1082,  
97.5365

■ 26.1234, 45.9027,  
22.4751

■ 81.3624, 72.6248,  
104.3375

■ 24.7462, 45.2659,  
19.1064

■ 23.8343, 44.8585,  
16.2308

■ 23.6105, 44.7600,  
15.4571

# Harmonies

## Analogous

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



49.5933, 56.3033, 47.3930



47.6228, 56.3033, 54.2566



47.1978, 56.3033, 63.7495

# Triad

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



47.6228, 56.3033, 54.2566



54.3616, 56.3033, 82.1566



58.9699, 56.3033, 50.4945

# Complementary

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



47.6228, 56.3033, 54.2566



49.5329, 46.0547, 56.1503

# 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.



60.3712, 56.3033, 58.9233



47.6228, 56.3033, 54.2566



57.6373, 56.3033, 77.7029

# Square

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



47.6228, 56.3033, 54.2566



50.9934, 56.3033, 80.5633



59.8733, 56.3033, 68.9382



56.1175, 56.3033, 45.3894



# Rectangle

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



47.6228, 56.3033, 54.2566



47.8308, 56.3033, 70.4399



59.8733, 56.3033, 68.9382



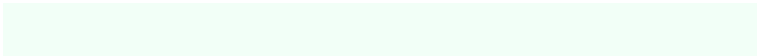
59.6317, 56.3033, 52.9956

# Sweetspot

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



47.6244, 56.3057, 54.2578



89.3064, 97.1785, 102.3293



51.3102, 58.3683, 47.0906



18.9486, 20.7184, 21.7097



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

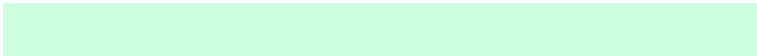


# Same Dimension

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



47.6244, 56.3057, 54.2578



74.1705, 89.7608, 84.2212



49.5185, 57.0633, 64.2323



11.2508, 12.6101, 12.8783



14.5829, 27.5785, 9.7547



0.7895, 1.4376, 0.6991



# Inverse Universe

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



49.5329, 46.0547, 56.1503



77.7707, 70.4209, 87.7892



47.7642, 45.3472, 46.8366



11.4902, 11.3248, 13.1159



17.9474, 8.9896, 12.7078



0.9627, 0.4785, 0.8497



# Previews

## White Background



This preview shows how the XYZ color 47.6228, 56.3033, 54.2566 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 47.6228, 56.3033, 54.2566 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

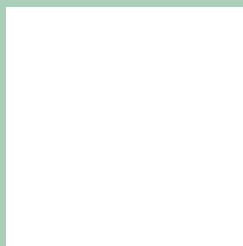
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.6228, 56.3033, 54.2566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6228, 56.3033, 54.2566.



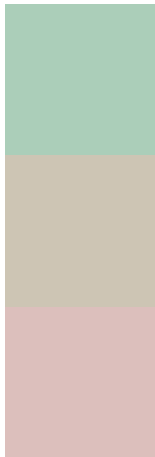
This preview shows how white text looks on a background with the XYZ color 47.6228, 56.3033,



# 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

47.6228, 56.3033, 54.2566

### Protanopia

53.3813, 56.2069, 51.2155

### Deuteranopia

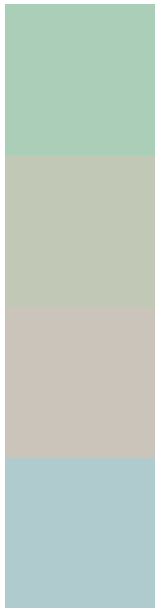
57.2231, 56.1081, 55.3909



## **Tritanopia**

51.5425, 56.1302, 73.7633

# Trichromacy



## Original Color

47.6228, 56.3033, 54.2566

## Protanomaly

51.0901, 56.0234, 52.3768

## Deuteranomaly

53.0667, 55.6243, 54.9534

## Tritanomaly

50.0546, 56.2336, 65.9736

# Monochromacy



## Original Color

47.6228, 56.3033, 54.2566

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.4959, 54.4202, 56.6106

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6228, 56.3033, 54.2566 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(171, 206, 185)` looks like.

```
.text, #text, p{  
    color:rgb(171, 206, 185)  
}
```

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(171, 206, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 206, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6228, 56.3033, 54.2566 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(171, 206, 185) }
```



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

```
.border{ border-color:rgb(171, 206, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 206, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 206, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 206, 185); box-shadow:4px 4px 4px 4px rgb(171, 206, 185) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6228, 56.3033, 54.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 206, 185) }
```

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

```
.background{ background-color: rgb(171,  
206, 185) }
```

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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