

Converting Colors

XYZ(45.8367, 52.6184, 68.0621)

Have a look what the booklet for
XYZ(45.8367, 52.6184, 68.0621)
contains.

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Color

**XYZ(45.8367, 52.6184,
68.0621)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC7D1
RGB	157, 199, 209
RGB Percent	62%, 78%, 82%
CMY	0.3843, 0.2196, 0.1804
CMYK	0.25, 0.05, 0.00, 0.18
HSL	192°, 36%, 72%
HSV	192°, 25%, 82%
XYZ	45.8367, 52.6184, 68.0621
YIQ	187.5820, -28.2420, -5.7940

Conversions

Conversions Part 2

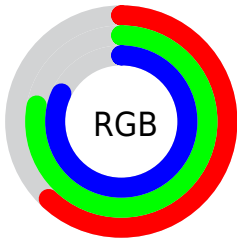
Format	Color
RYB	157, 180, 209
Decimal	10340305
CIELab	77.65, -11.56, -9.54
CIElCh	78, 14.991, 219.533
Yxy	52.6184, 0.2753, 0.3160
Android (android.graphics.Color)	4288530385 (0xFF9DC7D1)
YUV	187.5820, 10.5591, -26.8204
Hunter-Lab	72.5385, -14.1493, -4.8542

Details

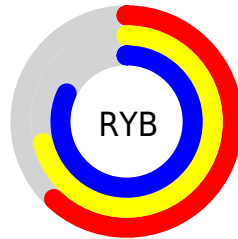
The XYZ color **45.8367, 52.6184, 68.0621** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1996, 43.6274, 37.8854**, and the grayscale version is **47.5178, 49.9924, 54.4417**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **21.7507, 25.5604, 34.7976** is the 20% darker color. If you saturate the color by 10%, you get **41.1907, 48.8701, 67.5843**, and if you desaturate by 10%, it is **51.2078, 56.7794, 68.5830**.

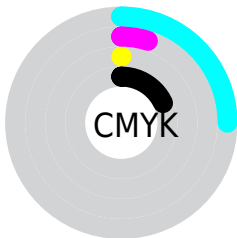
Distribution



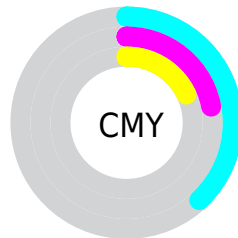
- Red (62%)
- Green (78%)
- Blue (82%)



- Red (62%)
- Yellow (71%)
- Blue (82%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8367, 52.6184, 68.0621 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 45.8367, 52.6184, 68.0621 by changing the saturation by 10% instead.

■ 45.8367, 52.6184,
68.0621

■ 45.8367, 52.6184,
68.0621

360.8787,
396.8194, 472.3200

■ 32.3211, 37.4982,
49.4813

■ 83.2039, 94.0426,
118.0960

■ 21.7636, 25.5935,
34.6331

■ 107.7862,
121.1154, 150.3862

■ 13.7989, 16.5198,
23.0991

136.7881,
152.9413, 188.0832

■ 8.0617, 9.8927,
14.4607

170.5749,
189.9045, 231.6056

■ 4.1866, 5.3279,
8.2994

209.5120,
232.3895, 281.3720

■ 1.8082, 2.4409,
4.1966

253.9648,

■ 0.5226, 0.8468,

280.7808, 337.8008

1.7338

304.2985,
335.4626, 401.3106

■ 0.0000, 0.0000,
0.3837

■ 0.0000, 0.0000,
0.0000

■ 45.8367, 52.6184,
68.0621

■ 45.8367, 52.6184,
68.0621

■ 41.1907, 48.8701,
67.5843

■ 51.2078, 56.7794,
68.5830

■ 37.2293, 45.5094,
67.1445

■ 57.3324, 61.3640,
69.1451

■ 33.9154, 42.5182,
66.7418

■ 64.2431, 66.3907,
69.7512

■ 31.2062, 39.8741,
66.3742

■ 71.9692, 71.8747,
70.4025

■ 29.0535, 37.5520,
66.0394

■ 78.1052, 76.5764,
70.9866

■ 27.4015, 35.5229,
65.7349

■ 79.1669, 78.6997,
71.3405

■ 26.1823, 33.7515,
65.4572

■ 80.2540, 80.8740,
71.7029

■ 25.6629, 32.9118,
65.3225

■ 81.3668, 83.0996,
72.0738

■ 82.5055, 85.3769,
72.4533

Harmonies

Analogous

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



44.7160, 52.6184, 59.9762



45.8367, 52.6184, 68.0621



48.0891, 52.6184, 73.5810

Triad

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



45.8367, 52.6184, 68.0621



55.4162, 52.6184, 63.0555



49.0950, 52.6184, 42.9521

Complementary

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



45.8367, 52.6184, 68.0621



46.1996, 43.6274, 37.8854

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.



51.9859, 52.6184, 43.6048



45.8367, 52.6184, 68.0621



55.7110, 52.6184, 54.6900

Square

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



45.8367, 52.6184, 68.0621



53.6434, 52.6184, 70.5023



54.4339, 52.6184, 47.7234



46.5487, 52.6184, 45.8452

Rectangle

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



45.8367, 52.6184, 68.0621



49.9668, 52.6184, 74.7770



54.4339, 52.6184, 47.7234



50.0576, 52.6184, 42.7709

Sweetspot

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



45.8383, 52.6205, 68.0633



87.7001, 94.6002, 108.2451



43.6381, 55.5428, 44.7555



18.6420, 20.1522, 23.1572



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.



45.8383, 52.6205, 68.0633



67.7711, 79.2364, 106.3300



40.4476, 41.8392, 66.2664



11.9572, 13.0046, 15.1236



15.8919, 20.4304, 40.2984



0.9394, 1.2440, 2.2702

Inverse Universe

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



48.6616, 41.7941, 59.5375



73.0316, 59.6088, 90.3220



51.3482, 53.9246, 39.6016



12.2093, 11.9685, 14.3779



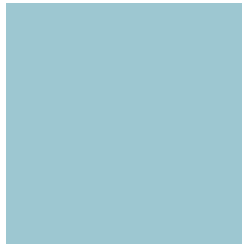
20.6522, 10.1337, 24.1385



1.1804, 0.5769, 1.4847

Previews

White Background



This preview shows how the XYZ color 45.8367, 52.6184, 68.0621 looks on a white background.

Color Contrast Check

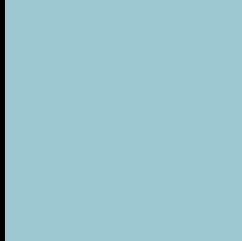
Large Text (above 18pt) WCAG AA × Fail

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 45.8367, 52.6184, 68.0621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

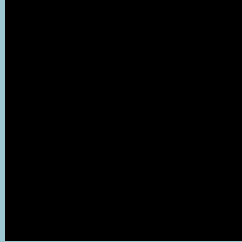
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8367, 52.6184, 68.0621

Background



This preview shows how black text looks on a background with the XYZ color 45.8367, 52.6184, 68.0621.

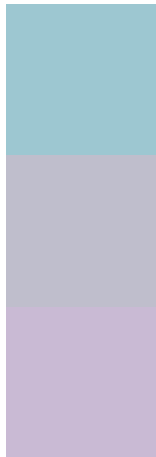


This preview shows how white text looks on a background with the XYZ color 45.8367, 52.6184,

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

45.8367, 52.6184, 68.0621

Protanopia

50.7984, 52.2629, 64.5371

Deuteranopia

53.5300, 52.2888, 69.5588



Tritanopia

46.4322, 52.5123, 71.3070

Trichromacy



Original Color

45.8367, 52.6184, 68.0621

Protanomaly

48.8009, 52.1799, 65.8922

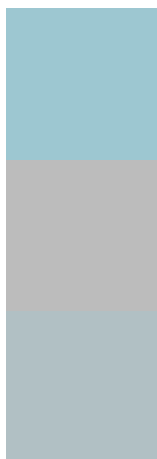
Deuteranomaly

50.3963, 52.2790, 69.0627

Tritanomaly

46.1783, 52.4107, 69.9698

Monochromacy



Original Color

45.8367, 52.6184, 68.0621

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9449, 51.0319, 59.6004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8367, 52.6184, 68.0621 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(157, 199, 209)` looks like.

```
.text, #text, p{  
    color:rgb(157, 199, 209)  
}
```

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(157, 199, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 199, 209) }
```

Border

The CSS property to change the border of an element to XYZ 45.8367, 52.6184, 68.0621 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(157, 199, 209) }
```


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

```
.border{ border-color:rgb(157, 199, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 199, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 199, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 199, 209);  
box-shadow:4px 4px 4px 4px rgb(157, 199,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8367, 52.6184, 68.0621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 199, 209) }
```

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

```
.background{ background-color: rgb(157,  
199, 209) }
```

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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