

Converting Colors

XYZ(45.6447, 52.5452, 61.6500)

Have a look what the booklet for
XYZ(45.6447, 52.5452, 61.6500)
contains.

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Color

**XYZ(45.8365, 52.7569,
61.8001)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C7C7
RGB	163, 199, 199
RGB Percent	64%, 78%, 78%
CMY	0.3608, 0.2196, 0.2196
CMYK	0.18, 0.00, 0.00, 0.22
HSL	180°, 24%, 71%
HSV	180°, 18%, 78%
XYZ	45.8365, 52.7569, 61.8001
YIQ	188.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

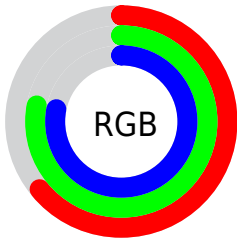
Format	Color
R_{YB}	163, 181, 199
Decimal	10733511
CIE Lab	77.73, -11.92, -3.99
CIE LCh	78, 12.565, 198.497
Yxy	52.7569, 0.2858, 0.3289
Android (android.graphics.Color)	4288923591 (0xFFA3C7C7)
YUV	188.2360, 5.3067, -22.1320
Hunter-Lab	72.6339, -14.4649, 0.3973

Details

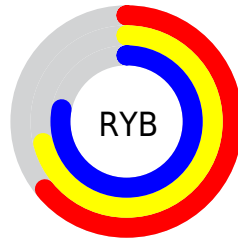
The XYZ color **45.8365, 52.7569, 61.8001** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2631, 40.9823, 40.2828**, and the grayscale version is **47.9148, 50.4101, 54.8966**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **21.7918, 25.6746, 30.5952** is the 20% darker color. If you saturate the color by 10%, you get **42.0785, 50.8210, 61.6244**, and if you desaturate by 10%, it is **50.2388, 55.0277, 62.0081**.

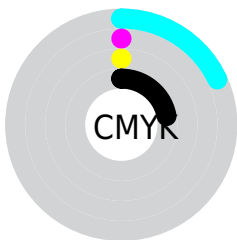
Distribution



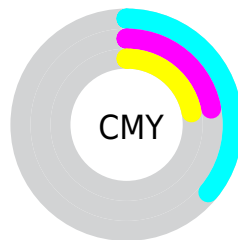
- Red (64%)
- Green (78%)
- Blue (78%)



- Red (64%)
- Yellow (71%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



- Cyan (36%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8365, 52.7569, 61.8001 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 45.8365, 52.7569, 61.8001 by changing the saturation by 10% instead.

■ 45.8365, 52.7569,
61.8001

■ 45.8365, 52.7569,
61.8001

360.8779,
397.3517, 449.1891

■ 32.3209, 37.6087,
44.4364

■ 83.2036, 94.2466,
109.0054

■ 21.7635, 25.6792,
30.6741

■ 107.7858,
121.3568, 139.6840

■ 13.7988, 16.5838,
20.0944

136.7876,
153.2233, 175.6382

■ 8.0616, 9.9382,
12.2789

170.5744,
190.2303, 217.2862

■ 4.1866, 5.3580,
6.8091

209.5114,
232.7622, 265.0468

■ 1.8082, 2.4588,
3.2664

253.9641,

■ 0.5226, 0.8559,

281.2035, 319.3385

1.2322

304.2978,
335.9386, 380.5797

■ 0.0000, 0.0000,
0.0052

■ 0.0000, 0.0000,
0.0000

■ 45.8365, 52.7569,
61.8001

■ 45.8365, 52.7569,
61.8001

■ 42.0785, 50.8210,
61.6244

■ 50.2388, 55.0277,
62.0081

■ 38.9302, 49.1980,
61.4762

■ 55.3086, 57.6413,
62.2463

■ 36.3609, 47.8735,
61.3551

■ 61.0740, 60.6134,
62.5170

■ 34.3354, 46.8293,
61.2594

■ 67.5596, 63.9569,
62.8214

■ 32.8145, 46.0453,
61.1873

■ 71.9742, 66.2327,
63.0289

■ 31.7539, 45.4986,
61.1368

■ 71.9744, 66.2327,
63.0298

■ 31.1017, 45.1624,
61.1054

■ 71.9745, 66.2328,
63.0307

■ 30.7795, 44.9963,
61.0894

■ 71.9747, 66.2329,
63.0316

■ 30.7319, 44.9718,
61.0870

■ 71.9749, 66.2329,
63.0325

Harmonies

Analogous

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



45.6975, 52.7569, 54.8125



45.8365, 52.7569, 61.8001



47.1070, 52.7569, 68.0741

Triad

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



45.8365, 52.7569, 61.8001



53.7301, 52.7569, 66.7877



51.0826, 52.7569, 45.2881

Complementary

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



45.8365, 52.7569, 61.8001



43.2631, 40.9823, 40.2828

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.



53.3085, 52.7569, 47.9813



45.8365, 52.7569, 61.8001



54.8697, 52.7569, 60.1569

Square

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



45.8365, 52.7569, 61.8001



51.6429, 52.7569, 71.1103



54.7129, 52.7569, 53.2962



48.6741, 52.7569, 45.6502

Rectangle

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



45.8365, 52.7569, 61.8001



48.4484, 52.7569, 70.8336



54.7129, 52.7569, 53.2962



51.8784, 52.7569, 45.8567

Sweetspot

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



45.8380, 52.7591, 61.8013



90.5137, 97.6615, 108.6869



42.2633, 51.3434, 42.3341



19.2425, 20.8359, 23.2573



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.



45.8380, 52.7591, 61.8013



77.3360, 90.8682, 108.0675



42.0608, 45.2040, 60.5437



10.9467, 12.0676, 13.6696



19.7604, 28.9166, 39.2786



0.9357, 1.3692, 1.8599

Inverse Universe

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



43.2631, 40.9823, 40.2828



71.9381, 66.1799, 62.9570



46.5681, 47.5926, 41.3832



10.6339, 10.6370, 11.0556



15.1453, 7.8077, 0.7091



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 45.8365, 52.7569, 61.8001 looks on a white background.

Color Contrast Check

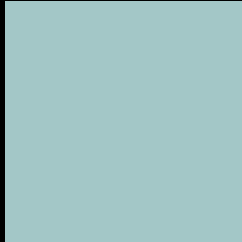
Large Text (above 18pt) WCAG AA × Fail

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 45.8365, 52.7569, 61.8001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

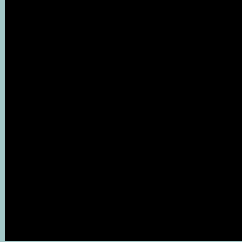
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8365, 52.7569, 61.8001

Background



This preview shows how black text looks on a background with the XYZ color 45.8365, 52.7569, 61.8001.



This preview shows how white text looks on a background with the XYZ color 45.8365, 52.7569, 61.8001.

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

45.8365, 52.7569, 61.8001

Protanopia

50.6165, 52.6260, 58.5290

Deuteranopia

53.6732, 52.5039, 63.1825



Tritanopia

47.7024, 52.8436, 70.6364

Trichromacy



Original Color

45.8365, 52.7569, 61.8001

Protanomaly

48.7840, 52.6364, 59.8132

Deuteranomaly

50.4086, 52.4258, 62.7207

Tritanomaly

47.0963, 52.9416, 67.4110

Monochromacy



Original Color

45.8365, 52.7569, 61.8001

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.9545, 51.0888, 57.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8365, 52.7569, 61.8001 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(163, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(163, 199, 199)  
}
```

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(163, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 45.8365, 52.7569, 61.8001 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(163, 199, 199) }
```


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

```
.border{ border-color:rgb(163, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(163, 199,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8365, 52.7569, 61.8001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 199, 199) }
```

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

```
.background{ background-color: rgb(163,  
199, 199) }
```

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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