

Converting Colors

XYZ(45.2727, 58.1952, 52.3064)

Have a look what the booklet for
XYZ(45.2727, 58.1952, 52.3064)
contains.

XYZ(45.3360, 58.1047, 52.5419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3360, 58.1047,
52.5419)**

Conversions

Conversions Part 1

Format	Color
Hex	98D6B5
RGB	152, 214, 181
RGB Percent	60%, 84%, 71%
CMY	0.4039, 0.1608, 0.2902
CMYK	0.29, 0.00, 0.15, 0.16
HSL	148°, 43%, 72%
HSV	148°, 29%, 84%
XYZ	45.3360, 58.1047, 52.5419
YIQ	191.7000, -26.3590, -23.4070

Conversions

Conversions Part 2

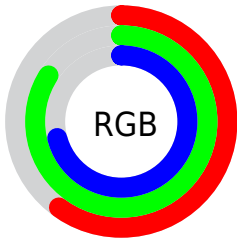
Format	Color
RYB	152, 194, 214
Decimal	10016437
CIELab	80.80, -26.56, 10.02
CIELCh	81, 28.390, 159.334
Yxy	58.1047, 0.2906, 0.3725
Android (android.graphics.Color)	4288206517 (0xFF98D6B5)
YUV	191.7000, -5.2751, -34.8169
Hunter-Lab	76.2264, -27.2326, 12.4907

Details

The XYZ color **45.3360, 58.1047, 52.5419** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.7188, 40.2570, 51.1569**, and the grayscale version is **49.9701, 52.5724, 57.2514**.

A 20% lighter version of the original color is **77.0585, 91.0443, 93.6327**, and **21.4400, 29.0074, 24.8911** is the 20% darker color. If you saturate the color by 10%, you get **40.5650, 55.7763, 46.4653**, and if you desaturate by 10%, it is **50.9284, 60.8486, 59.1584**.

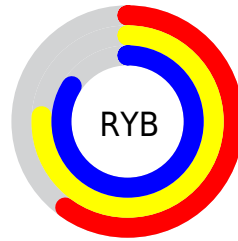
Distribution



Red (60%)

Green (84%)

Blue (71%)



Red (60%)

Yellow (76%)

Blue (84%)

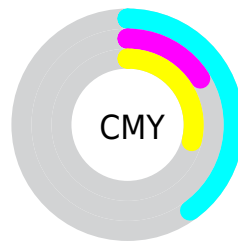


Cyan (29%)

Magenta (0%)

Yellow (15%)

Black (16%)



Cyan (40%)


Magenta (16%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3360, 58.1047, 52.5419 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 45.3360, 58.1047, 52.5419 by changing the saturation by 10% instead.


 45.3360, 58.1047,
52.5419


 45.3360, 58.1047,
52.5419


358.8935,
417.5760, 413.5414

 31.9246, 41.8928,
37.0520


 82.4584, 102.0753,
95.3646

 21.4592, 29.0174,
24.9516


 106.9000,
130.6028, 123.5345

 13.5744, 19.0940,
15.8223

135.7491,
164.0044, 156.7682

 7.9050, 11.7382,
9.2455

169.3709,
202.6643, 195.4841

 4.0855, 6.5657,
4.8027

208.1310,
246.9670, 240.1009

 1.7506, 3.1920,
2.0753

252.3945,

 0.4876, 1.2328,

297.2970, 291.0370

0.6010

302.5269,
354.0385, 348.7110

■ 0.0000, 0.0882,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3360, 58.1047,
52.5419

■ 45.3360, 58.1047,
52.5419

■ 40.5650, 55.7763,
46.4653

■ 50.9284, 60.8486,
59.1584

■ 36.5696, 53.8354,
40.9108

■ 57.3756, 64.0204,
66.3240

■ 33.3063, 52.2614,
35.8653

■ 64.7149, 67.6405,
74.0529

■ 30.7255, 51.0291,
31.3137

■ 72.9799, 71.7260,
82.3573

■ 28.7708, 50.1095,
27.2399

■ 80.7139, 75.5257,
91.1796

■ 27.3761, 49.4690,
23.6269

■ 82.4408, 76.2165,
100.2735

■ 26.4371, 49.0542,
20.4550

■ 83.3376, 76.5752,
104.9959

■ 26.3524, 49.0171,
20.1527

Harmonies

Analogous

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



48.3850, 58.1047, 41.4353



45.3360, 58.1047, 52.5419



44.8327, 58.1047, 68.6483

Triad

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



45.3360, 58.1047, 52.5419



57.0754, 58.1047, 100.7721



64.4134, 58.1047, 44.9290

Complementary

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



45.3360, 58.1047, 52.5419



47.7188, 40.2570, 51.1569

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.



67.1146, 58.1047, 58.1729



45.3360, 58.1047, 52.5419



62.6849, 58.1047, 91.6684

Square

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



45.3360, 58.1047, 52.5419



51.3429, 58.1047, 98.5382



66.4606, 58.1047, 75.3585



59.3018, 58.1047, 37.6103

Rectangle

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



45.3360, 58.1047, 52.5419



45.9702, 58.1047, 80.4379



66.4606, 58.1047, 75.3585



65.6493, 58.1047, 48.7306

Sweetspot

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



45.3376, 58.1071, 52.5432



85.2000, 95.1422, 98.4970



49.7398, 60.6853, 38.7986



17.9177, 20.2074, 20.7364



0.0000, 0.0000, 0.0000



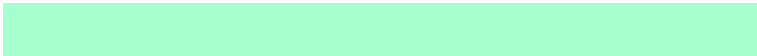
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3376, 58.1071, 52.5432



62.7565, 84.1292, 72.2795



48.8727, 59.5211, 71.1588



12.5017, 13.9917, 14.4565



15.9792, 29.6470, 12.4522



1.0054, 1.8048, 0.9701

Inverse Universe

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



47.7188, 40.2570, 51.1569



66.8736, 53.2587, 69.8767



44.7999, 39.0894, 35.7858



12.6968, 12.5302, 14.3434



18.6477, 9.3954, 10.7147



1.1664, 0.5833, 0.8656

Previews

White Background



This preview shows how the XYZ color 45.3360, 58.1047, 52.5419 looks on a white background.

Color Contrast Check

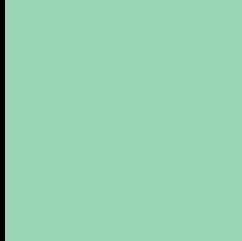
Large Text (above 18pt) WCAG AA × Fail

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 45.3360, 58.1047, 52.5419 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 45.3360, 58.1047, 52.5419

Background



This preview shows how black text looks on a background with the XYZ color 45.3360, 58.1047, 52.5419.

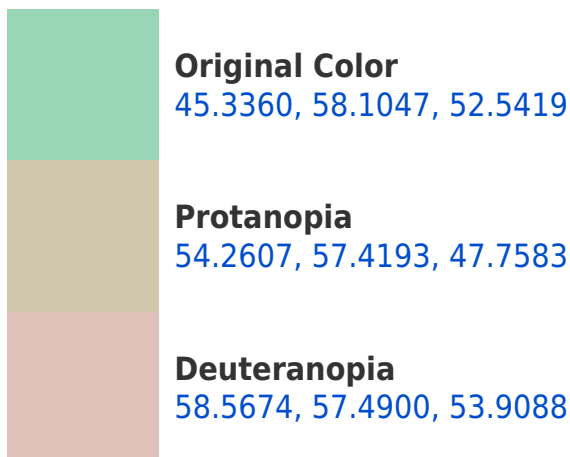


This preview shows how white text looks on a background with the XYZ color 45.3360, 58.1047,

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





Tritanopia

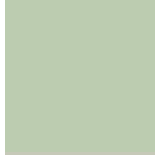
50.8444, 58.1251, 79.7736

Trichromacy



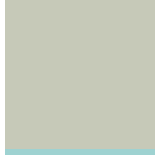
Original Color

45.3360, 58.1047, 52.5419



Protanomaly

50.1684, 57.0117, 49.4345



Deuteranomaly

52.8271, 57.2397, 53.6115



Tritanomaly

48.6558, 57.9657, 68.9457

Monochromacy



Original Color

45.3360, 58.1047, 52.5419



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.8628, 54.2865, 55.5327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3360, 58.1047, 52.5419 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(152, 214, 181)` looks like.

```
.text, #text, p{  
    color:rgb(152, 214, 181)  
}
```

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(152, 214, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 214, 181) }
```

Border

The CSS property to change the border of an element to XYZ 45.3360, 58.1047, 52.5419 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(152, 214, 181) }
```


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

```
.border{ border-color:rgb(152, 214, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 214, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 214, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 214, 181);  
box-shadow:4px 4px 4px 4px rgb(152, 214,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3360, 58.1047, 52.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 214, 181) }
```

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

```
.background{ background-color: rgb(152,  
214, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor