

Converting Colors

XYZ(45.4534, 60.1657, 48.7541)

Have a look what the booklet for
XYZ(45.4534, 60.1657, 48.7541)
contains.

XYZ(45.4520, 60.1642, 48.7524)	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(45.4520, 60.1642,
48.7524)**

Conversions

Conversions Part 1

Format	Color
Hex	96DBAD
RGB	150, 219, 173
RGB Percent	59%, 86%, 68%
CMY	0.4118, 0.1412, 0.3216
CMYK	0.32, 0.00, 0.21, 0.14
HSL	140°, 49%, 72%
HSV	140°, 32%, 86%
XYZ	45.4520, 60.1642, 48.7524
YIQ	193.1250, -26.3580, -28.9340

Conversions

Conversions Part 2

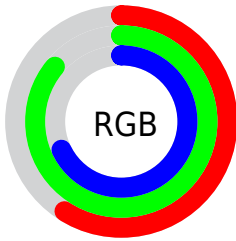
Format	Color
RYB	150, 202, 219
Decimal	9886637
CIELab	81.93, -31.10, 15.83
CIElCh	82, 34.901, 153.019
Yxy	60.1642, 0.2944, 0.3897
Android (android.graphics.Color)	4288076717 (0xFF96DBAD)
YUV	193.1250, -9.9216, -37.8206
Hunter-Lab	77.5656, -31.1421, 17.0303

Details

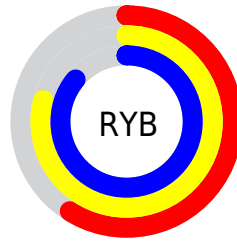
The XYZ color **45.4520, 60.1642, 48.7524** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.0856, 40.8596, 57.4739**, and the grayscale version is **50.8310, 53.4781, 58.2377**.

A 20% lighter version of the original color is **75.3565, 90.2990, 87.5865**, and **21.6564, 30.4728, 22.8296** is the 20% darker color. If you saturate the color by 10%, you get **40.4561, 57.7448, 41.5428**, and if you desaturate by 10%, it is **51.3587, 63.0386, 56.8133**.

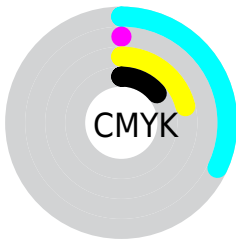
Distribution



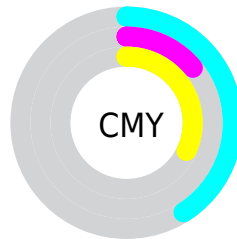
- Red (59%)
- Green (86%)
- Blue (68%)



- Red (59%)
- Yellow (79%)
- Blue (86%)



- Cyan (32%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





- Cyan (41%)
- Magenta (14%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4520, 60.1642, 48.7524 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 45.4520, 60.1642, 48.7524 by changing the saturation by 10% instead.


 45.4520, 60.1642,
48.7524


 45.4520, 60.1642,
48.7524


359.3541,
425.2027, 398.3612

 32.0164, 43.5510,
34.0589


 82.6312, 105.0678,
89.7008

 21.5296, 30.3177,
22.6611


 107.1054,
134.1270, 116.7927

 13.6264, 20.0798,
14.1405


135.9900,
168.1037, 148.8546

 7.9412, 12.4531,
8.0786

169.6501,
207.3822, 186.3049

 4.1088, 7.0530,
4.0568

208.4513,
252.3470, 229.5621

 1.7639, 3.4953,
1.6566

252.7587,

 0.4958, 1.3955,

303.3824, 279.0449

0.3307

302.9379,
360.8729, 335.1717

■ 0.0000, 0.2134,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.4520, 60.1642,
48.7524

■ 45.4520, 60.1642,
48.7524

■ 40.4561, 57.7448,
41.5428

■ 51.3587, 63.0386,
56.8133

■ 36.3192, 55.7493,
35.1523

■ 58.2148, 66.3824,
65.7479

■ 32.9915, 54.1543,
29.5527

■ 66.0626, 70.2186,
75.5832

■ 30.4160, 52.9310,
24.7128

■ 74.9404, 74.5662,
86.3436

■ 28.5275, 52.0466,
20.5989

■ 83.2079, 78.5794,
97.9741

■ 27.2490, 51.4620,
17.1746

■ 84.6227, 79.1453,
105.4242

■ 26.5352, 51.1464,
14.7769

Harmonies

Analogous

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



49.7977, 60.1642, 37.0088



45.4520, 60.1642, 48.7524



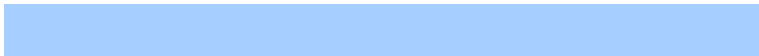
44.1567, 60.1642, 67.6718

Triad

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



45.4520, 60.1642, 48.7524



57.9347, 60.1642, 115.0263



69.9216, 60.1642, 45.7716

Complementary

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



45.4520, 60.1642, 48.7524



50.0856, 40.8596, 57.4739

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.



72.5510, 60.1642, 63.3920



45.4520, 60.1642, 48.7524



65.2673, 60.1642, 105.8161

Square

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



45.4520, 60.1642, 48.7524



50.9872, 60.1642, 108.7894



70.7794, 60.1642, 85.7217



63.8641, 60.1642, 35.5656

Rectangle

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



45.4520, 60.1642, 48.7524



45.0974, 60.1642, 82.7129



70.7794, 60.1642, 85.7217



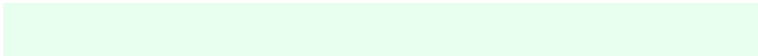
71.2582, 60.1642, 50.8724

Sweetspot

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



45.4536, 60.1667, 48.7537



84.7385, 94.9576, 96.0669



53.9040, 64.7584, 38.5134



17.8044, 20.1621, 20.1396



0.0000, 0.0000, 0.0000



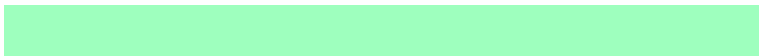
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4536, 60.1667, 48.7537



59.2182, 82.5344, 61.7538



49.0942, 61.6230, 67.9250



13.0646, 14.6775, 14.8034



15.7790, 30.3442, 9.0015



1.0615, 1.9815, 0.7897

Inverse Universe

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



50.0856, 40.8596, 57.4739



66.7629, 51.0594, 75.9375



46.7010, 39.5058, 39.6511



13.4203, 13.1972, 15.4743



20.4514, 10.1816, 17.2891



1.3643, 0.6754, 1.3273

Previews

White Background



This preview shows how the XYZ color 45.4520, 60.1642, 48.7524 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 45.4520, 60.1642, 48.7524 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

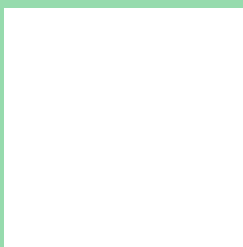
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4520, 60.1642, 48.7524

Background



This preview shows how black text looks on a background with the XYZ color 45.4520, 60.1642, 48.7524.



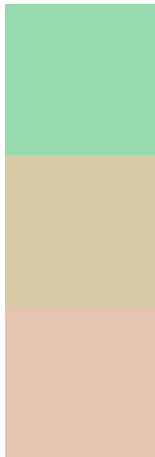
This preview shows how white text looks on a background with the XYZ color 45.4520, 60.1642,

48.7524.

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

45.4520, 60.1642, 48.7524

Protanopia

55.9364, 59.4047, 44.1154

Deuteranopia

60.5060, 59.2335, 50.3637



Tritanopia

51.9958, 59.7670, 82.1945

Trichromacy



Original Color

45.4520, 60.1642, 48.7524



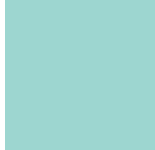
Protanomaly

51.1096, 59.0153, 45.7431



Deuteranomaly

53.7865, 58.8769, 49.6038



Tritanomaly

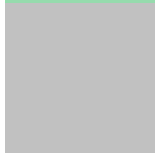
49.3364, 59.8153, 68.6197

Monochromacy



Original Color

45.4520, 60.1642, 48.7524



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.1149, 55.1333, 54.5602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4520, 60.1642, 48.7524 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(150, 219, 173)` looks like.

```
.text, #text, p{  
    color:rgb(150, 219, 173)  
}
```

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(150, 219, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 219, 173) }
```

Border

The CSS property to change the border of an element to XYZ 45.4520, 60.1642, 48.7524 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(150, 219, 173) }
```


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

```
.border{ border-color:rgb(150, 219, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 219, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 219, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 219, 173);  
box-shadow:4px 4px 4px 4px rgb(150, 219,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4520, 60.1642, 48.7524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 219, 173) }
```

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

```
.background{ background-color: rgb(150,  
219, 173) }
```

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