

Converting Colors

XYZ(40.5553, 50.1338, 26.2791)

Have a look what the booklet for
XYZ(40.5553, 50.1338, 26.2791)
contains.

XYZ(40.5547, 50.1332, 26.2781)	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(40.5547, 50.1332,
26.2781)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC57B
RGB	172, 197, 123
RGB Percent	67%, 77%, 48%
CMY	0.3255, 0.2274, 0.5176
CMYK	0.13, 0.00, 0.38, 0.23
HSL	80°, 39%, 63%
HSV	80°, 38%, 77%
XYZ	40.5547, 50.1332, 26.2781
YIQ	181.0890, 8.8540, -28.3140

Conversions

Conversions Part 2

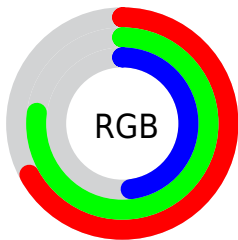
Format	Color
RYB	123, 197, 148
Decimal	11322747
CIELab	76.15, -20.78, 34.36
CIELCh	76, 40.157, 121.169
Yxy	50.1332, 0.3467, 0.4286
Android (android.graphics.Color)	4289512827 (0xFFACC57B)
YUV	181.0890, -28.6379, -7.9711
Hunter-Lab	70.8048, -21.6694, 27.5588

Details

The XYZ color **40.5547, 50.1332, 26.2781** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.3757, 24.4944, 56.0057**, and the grayscale version is **44.1169, 46.4144, 50.5453**.

A 20% lighter version of the original color is **75.2732, 90.5122, 54.5776**, and **18.6328, 24.0479, 9.9630** is the 20% darker color. If you saturate the color by 10%, you get **38.0194, 48.9562, 20.3572**, and if you desaturate by 10%, it is **43.4139, 51.4516, 33.5116**.

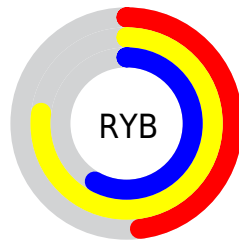
Distribution



Red (67%)

Green (77%)

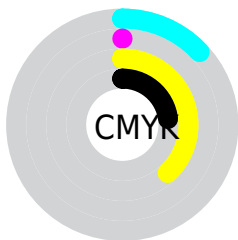
Blue (48%)



Red (48%)

Yellow (77%)

Blue (58%)

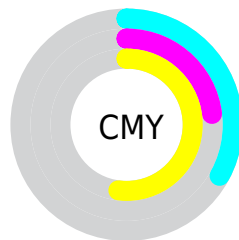


Cyan (13%)

Magenta (0%)

Yellow (38%)

Black (23%)



Cyan (33%)

Magenta (23%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5547, 50.1332, 26.2781 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 40.5547, 50.1332, 26.2781 by changing the saturation by 10% instead.

■ 40.5547, 50.1332,
26.2781

■ 40.5547, 50.1332,
26.2781

339.5505,
387.1866, 297.7934

■ 28.1574, 35.5192,
16.8042

■ 75.2864, 90.3722,
54.7128

■ 18.5854, 24.0631,
9.9345

■ 98.3516, 116.7660,
74.5107

■ 11.4733, 15.3805,
5.2505

■ 125.7035,
147.8553, 98.5870

■ 6.4558, 9.0868,
2.3337

157.7074,
184.0244, 127.3602

■ 3.1674, 4.7979,
0.7500

194.7287,
225.6576, 161.2490

■ 1.2429, 2.1292,
0.0000

237.1327,

■ 0.1399, 0.6809,

273.1395, 200.6717

0.0000

285.2849,
326.8544, 246.0470

■ 0.0000, 0.0000,
0.0000

■ 40.5547, 50.1332,
26.2781

■ 40.5547, 50.1332,
26.2781

■ 38.0194, 48.9562,
20.3572

■ 43.4139, 51.4516,
33.5116

■ 35.7882, 47.9075,
15.6667

■ 46.6081, 52.9109,
42.1269

■ 33.8446, 46.9820,
12.1203


■ 50.1521, 54.5188,
52.1920


■ 32.1689, 46.1718,
9.6192


■ 54.0589, 56.2806,
63.7695


■ 30.7379, 45.4674,
8.0477


■ 58.3406, 58.2013,
76.9186


 29.5190, 44.8556,
7.2400

 63.0089, 60.2857,
91.6950

 29.2409, 44.7153,
7.0898

 67.1091, 62.1520,
103.0672

 69.1472, 63.2027,
103.1626

 71.2662, 64.2950,
103.2618

Harmonies

Analogous

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



47.3559, 50.1332, 22.7811



40.5547, 50.1332, 26.2781



36.0775, 50.1332, 36.9608

Triad

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



40.5547, 50.1332, 26.2781



41.0150, 50.1332, 99.4675



63.6091, 50.1332, 53.7465

Complementary

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



40.5547, 50.1332, 26.2781



29.3757, 24.4944, 56.0057

Split Complementary

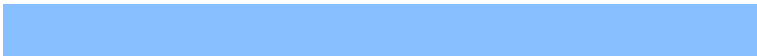
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.4654, 50.1332, 77.0777



40.5547, 50.1332, 26.2781



47.9455, 50.1332, 107.3061

Square

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



40.5547, 50.1332, 26.2781



36.3230, 50.1332, 78.9331



55.5283, 50.1332, 98.2132



61.1167, 50.1332, 35.8446

Rectangle

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



40.5547, 50.1332, 26.2781



34.7483, 50.1332, 48.4756



55.5283, 50.1332, 98.2132



63.4053, 50.1332, 61.1906

Sweetspot

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



40.5560, 50.1354, 26.2792



87.4569, 96.5699, 86.6672



37.1406, 34.3774, 23.4176



18.5311, 20.5845, 18.0138



0.0000, 0.0000, 0.0000



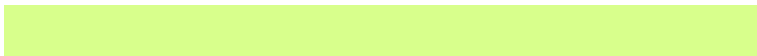
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5560, 50.1354, 26.2792



68.8984, 88.0545, 38.2726



33.5884, 46.5435, 25.9531



11.1624, 12.2306, 11.3352



19.3241, 29.4572, 4.6673



0.9900, 1.4334, 0.2245

Inverse Universe

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



29.3757, 24.4944, 56.0057



46.0601, 35.6356, 99.0585



37.0901, 28.4713, 56.3667



10.3888, 10.4587, 13.3887



8.2122, 3.4678, 34.9809



0.4664, 0.2042, 1.6600

Previews

White Background



This preview shows how the XYZ color 40.5547, 50.1332, 26.2781 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 40.5547, 50.1332, 26.2781 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

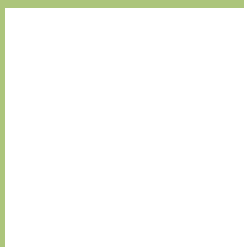
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5547, 50.1332, 26.2781

Background



This preview shows how black text looks on a background with the XYZ color 40.5547, 50.1332, 26.2781.



This preview shows how white text looks on a background with the XYZ color 40.5547, 50.1332,

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

40.5547, 50.1332, 26.2781

Protanopia

46.0019, 49.7099, 24.6232

Deuteranopia

50.6913, 49.6198, 26.9845



Tritanopia

47.9594, 49.8722, 62.9757

Trichromacy



Original Color

40.5547, 50.1332, 26.2781

Protanomaly

43.7592, 49.8241, 25.0800

Deuteranomaly

46.5016, 49.6033, 26.8622

Tritanomaly

44.7640, 49.8624, 46.8003

Monochromacy



Original Color

40.5547, 50.1332, 26.2781

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.4756, 47.5437, 40.1959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5547, 50.1332, 26.2781 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(172, 197, 123)` looks like.

```
.text, #text, p{  
    color:rgb(172, 197, 123)  
}
```

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(172, 197, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 197, 123) }
```

Border

The CSS property to change the border of an element to XYZ 40.5547, 50.1332, 26.2781 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(172, 197, 123) }
```


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

```
.border{ border-color:rgb(172, 197, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 197, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 197, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 197, 123);  
box-shadow:4px 4px 4px 4px rgb(172, 197,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5547, 50.1332, 26.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 197, 123) }
```

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

```
.background{ background-color: rgb(172,  
197, 123) }
```

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