

Converting Colors

XYZ(42.5961, 58.2167, 32.6773)

Have a look what the booklet for
XYZ(42.5961, 58.2167, 32.6773)
contains.

XYZ(42.6546, 58.3019, 32.6722)	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(42.6546, 58.3019,
32.6722)**

Conversions

Conversions Part 1

Format	Color
Hex	9AD989
RGB	154, 217, 137
RGB Percent	60%, 85%, 54%
CMY	0.3961, 0.1490, 0.4627
CMYK	0.29, 0.00, 0.37, 0.15
HSL	107°, 51%, 69%
HSV	107°, 37%, 85%
XYZ	42.6546, 58.3019, 32.6722
YIQ	189.0430, -11.8680, -38.2360

Conversions

Conversions Part 2

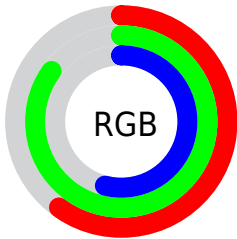
Format	Color
RYB	137, 217, 200
Decimal	10148233
CIELab	80.91, -34.89, 33.18
CIElCh	81, 48.153, 136.439
Yxy	58.3019, 0.3192, 0.4363
Android (android.graphics.Color)	4288338313 (0xFF9AD989)
YUV	189.0430, -25.6572, -30.7327
Hunter-Lab	76.3557, -33.9069, 28.0791

Details

The XYZ color **42.6546, 58.3019, 32.6722** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **45.2922, 35.1823, 70.0525**, and the grayscale version is **48.5427, 51.0707, 55.6160**.

A 20% lighter version of the original color is **71.7423, 88.9832, 62.6845**, and **19.8556, 29.2219, 13.3980** is the 20% darker color. If you saturate the color by 10%, you get **38.2278, 56.1837, 25.1406**, and if you desaturate by 10%, it is **47.8605, 60.7891, 41.8768**.

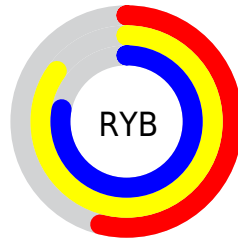
Distribution



Red (60%)

Green (85%)

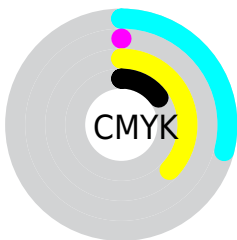
Blue (54%)



Red (54%)

Yellow (85%)

Blue (78%)

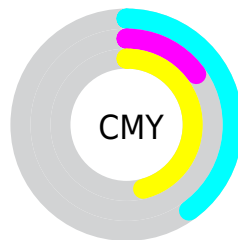


Cyan (29%)

Magenta (0%)

Yellow (37%)

Black (15%)



Cyan (40%)


Magenta (15%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6546, 58.3019, 32.6722 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 42.6546, 58.3019, 32.6722 by changing the saturation by 10% instead.


 42.6546, 58.3019,
32.6722


 42.6546, 58.3019,
32.6722


348.1350,
418.3099, 328.7567


 29.8075, 42.0514,
21.6064


 78.4483, 102.3624,
64.9735

 19.8399, 29.1415,
13.3724


 102.1257,
130.9411, 87.0461

 12.3863, 19.1879,
7.5518

 130.1440,
164.3981, 113.6247

 7.0814, 11.8061,
3.7259

162.8684,
203.1177, 145.1278

 3.5598, 6.6118,
1.4762

200.6644,
247.4843, 181.9741

 1.4563, 3.2205,
0.2001

243.8972,

 0.2958, 1.2479,

297.8822, 224.5819

0.0000

292.9323,
354.6960, 273.3699

■ 0.0000, 0.1003,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6546, 58.3019,
32.6722

■ 42.6546, 58.3019,
32.6722

■ 38.2278, 56.1837,
25.1406

■ 47.8605, 60.7891,
41.8768

■ 34.5375, 54.4094,
19.1779


■ 53.8768, 63.6541,
52.8426


■ 31.5432, 52.9624,
14.6742


■ 60.7384, 66.9149,
65.6562


■ 29.1989, 51.8216,
11.5040


■ 68.4765, 70.5858,
80.3972

 27.4522, 50.9632,
9.5203

 77.1212, 74.6806,
97.1408

 26.2399, 50.3589,
8.5325

 84.1041, 78.1081,
105.2514

 25.9456, 50.2114,
8.3243

Harmonies

Analogous

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



50.1658, 58.3019, 24.0492



42.6546, 58.3019, 32.6722



38.7938, 58.3019, 51.4613

Triad

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



42.6546, 58.3019, 32.6722



51.0408, 58.3019, 133.1811



75.9026, 58.3019, 49.1809

Complementary

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



42.6546, 58.3019, 32.6722



45.2922, 35.1823, 70.0525

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.



76.2103, 58.3019, 77.2399



42.6546, 58.3019, 32.6722



61.0165, 58.3019, 132.0153

Square

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



42.6546, 58.3019, 32.6722



43.2288, 58.3019, 112.1378



70.4940, 58.3019, 109.3135



69.6980, 58.3019, 31.4363

Rectangle

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



42.6546, 58.3019, 32.6722



38.4688, 58.3019, 69.8371



70.4940, 58.3019, 109.3135



76.7227, 58.3019, 57.5225

Sweetspot

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



42.6561, 58.3044, 32.6735



83.1930, 94.3717, 86.4677



53.7103, 57.7149, 31.9771



17.5169, 20.0617, 17.9663



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.



42.6561, 58.3044, 32.6735



56.5629, 81.6733, 38.6906



41.4473, 57.4732, 42.0154



13.1438, 14.7389, 13.8777



15.7777, 30.4312, 5.0422



1.0952, 2.0091, 0.3301

Inverse Universe

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



45.2922, 35.1823, 70.0525



60.8495, 43.8207, 99.8589



47.3382, 36.5547, 55.7986



13.3295, 13.1280, 16.4835



17.8258, 8.3137, 40.4036



1.2239, 0.5742, 2.6208

Previews

White Background



This preview shows how the XYZ color 42.6546, 58.3019, 32.6722 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 42.6546, 58.3019, 32.6722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

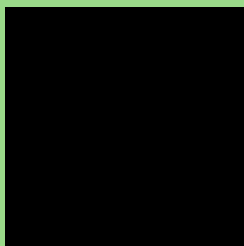
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6546, 58.3019, 32.6722

Background



This preview shows how black text looks on a background with the XYZ color 42.6546, 58.3019, 32.6722.

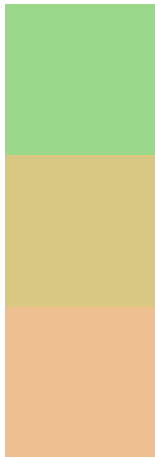


This preview shows how white text looks on a background with the XYZ color 42.6546, 58.3019,

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

42.6546, 58.3019, 32.6722

Protanopia

53.2988, 57.6720, 29.4417

Deuteranopia

59.0675, 57.8596, 34.0414



Tritanopia

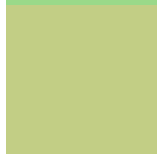
51.9943, 58.3884, 78.3417

Trichromacy



Original Color

42.6546, 58.3019, 32.6722



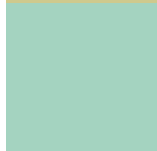
Protanomaly

48.5531, 57.3054, 30.6923



Deuteranomaly

51.4265, 56.9618, 33.4836



Tritanomaly

48.1185, 58.2868, 58.5835

Monochromacy



Original Color

42.6546, 58.3019, 32.6722



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.5836, 52.9792, 45.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6546, 58.3019, 32.6722 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(154, 217, 137)` looks like.

```
.text, #text, p{  
    color:rgb(154, 217, 137)  
}
```

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(154, 217, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 217, 137) }
```

Border

The CSS property to change the border of an element to XYZ 42.6546, 58.3019, 32.6722 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(154, 217, 137) }
```


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

```
.border{ border-color:rgb(154, 217, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 217, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 217, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 217, 137);  
box-shadow:4px 4px 4px 4px rgb(154, 217,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6546, 58.3019, 32.6722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 217, 137) }
```

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

```
.background{ background-color: rgb(154,  
217, 137) }
```

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