

Converting Colors

XYZ(27.5502, 38.7284, 19.9332)

Have a look what the booklet for
XYZ(27.5502, 38.7284, 19.9332)
contains.

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Color

**XYZ(27.5502, 38.7284,
19.9332)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB66B
RGB	123, 182, 107
RGB Percent	48%, 71%, 42%
CMY	0.5176, 0.2863, 0.5804
CMYK	0.32, 0.00, 0.41, 0.29
HSL	107°, 34%, 57%
HSV	107°, 41%, 71%
XYZ	27.5502, 38.7284, 19.9332
YIQ	155.8090, -11.0890, -35.8330

Conversions

Conversions Part 2

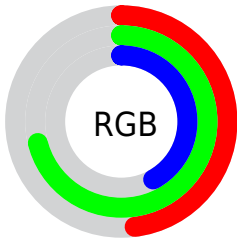
Format	Color
RYB	107, 182, 166
Decimal	8107627
CIELab	68.55, -33.56, 32.22
CIElCh	69, 46.520, 136.163
Yxy	38.7284, 0.3196, 0.4492
Android (android.graphics.Color)	4286297707 (0xFF7BB66B)
YUV	155.8090, -24.0628, -28.7735
Hunter-Lab	62.2321, -29.8842, 24.5717

Details

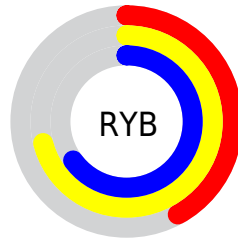
The XYZ color **27.5502, 38.7284, 19.9332** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **29.4288, 22.0009, 46.9536**, and the grayscale version is **31.6230, 33.2699, 36.2309**.

A 20% lighter version of the original color is **54.9640, 72.9994, 43.9943**, and **11.2125, 17.3456, 6.7601** is the 20% darker color. If you saturate the color by 10%, you get **24.7913, 37.4065, 15.3211**, and if you desaturate by 10%, it is **30.8122, 40.2887, 25.6224**.

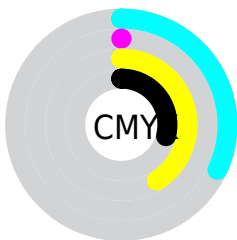
Distribution



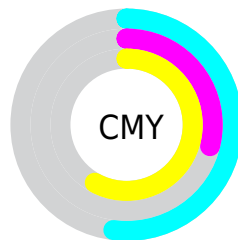
- Red (48%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (65%)



- Cyan (32%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (52%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5502, 38.7284, 19.9332 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 27.5502, 38.7284, 19.9332 by changing the saturation by 10% instead.

■ 27.5502, 38.7284,
19.9332

■ 27.5502, 38.7284,
19.9332

282.4305,
340.7344, 264.1455

■ 18.1256, 26.5485,
12.1629

■ 55.1792, 73.2232,
44.1627

■ 11.1404, 17.2344,
6.7308

■ 74.1143, 96.3069,
61.4589

■ 6.2294, 10.4018,
3.2185

■ 96.9502, 123.7941,
82.7675

■ 3.0270, 5.6662,
1.2072

■ 124.0524,
156.0690, 108.5071

■ 1.1681, 2.6432,
0.0000

155.7862,
193.5160, 139.0961

■ 0.0809, 0.9484,
0.0000

192.5169,

■ 0.0000, 0.0000,

236.5197, 174.9532

0.0000

234.6099,
285.4644, 216.4968

■ 27.5502, 38.7284,
19.9332

■ 27.5502, 38.7284,
19.9332

■ 24.7913, 37.4065,
15.3211

■ 30.8122, 40.2887,
25.6224

■ 22.5069, 36.3063,
11.7160

■ 34.5983, 42.0933,
32.4482

■ 20.6698, 35.4165,
9.0430


■ 38.9315, 44.1541,
40.4685

■ 19.2489, 34.7230,
7.2163


■ 43.8330, 46.4808,
49.7367


■ 18.2083, 34.2094,
6.1336


■ 49.3224, 49.0826,
60.3028

 17.5588, 33.8854,
5.6151

 55.4186, 51.9680,
72.2143

 62.1397, 55.1454,
85.5162

 69.5029, 58.6227,
100.2512

 74.8741, 61.3474,
102.5027

Harmonies

Analogous

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



33.0241, 38.7284, 14.0651



27.5502, 38.7284, 19.9332



24.7498, 38.7284, 33.2322

Triad

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



27.5502, 38.7284, 19.9332



33.5410, 38.7284, 94.7654



52.0762, 38.7284, 31.8998

Complementary

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



27.5502, 38.7284, 19.9332



29.4288, 22.0009, 46.9536

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.



52.2631, 38.7284, 52.5787



27.5502, 38.7284, 19.9332



40.8751, 38.7284, 94.0395

Square

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



27.5502, 38.7284, 19.9332



27.8851, 38.7284, 78.5038



47.9424, 38.7284, 76.7631



47.4614, 38.7284, 19.2382

Rectangle

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



27.5502, 38.7284, 19.9332



24.4993, 38.7284, 46.6528



47.9424, 38.7284, 76.7631



52.6780, 38.7284, 37.9815

Sweetspot

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



27.5512, 38.7301, 19.9341



69.7528, 79.6546, 71.8204



35.5377, 38.1900, 19.4089



15.1716, 17.4817, 15.4253



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.5512, 38.7301, 19.9341



45.5823, 68.1211, 28.8182



26.7053, 38.1486, 26.4652



9.0647, 10.1500, 9.5883



12.4461, 23.9525, 3.9673



0.4913, 0.8715, 0.1423

Inverse Universe

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



29.4288, 22.0009, 46.9536



49.3949, 33.8359, 84.1633



30.9615, 23.0259, 36.4169



9.1884, 9.0635, 11.3446



14.0412, 6.5497, 31.7772



0.5425, 0.2554, 1.1225

Previews

White Background



This preview shows how the XYZ color 27.5502, 38.7284, 19.9332 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 27.5502, 38.7284, 19.9332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

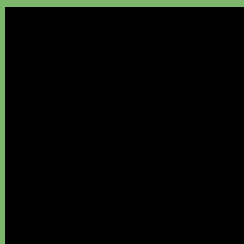
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5502, 38.7284, 19.9332

Background



This preview shows how black text looks on a background with the XYZ color 27.5502, 38.7284, 19.9332.



This preview shows how white text looks on a background with the XYZ color 27.5502, 38.7284,

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

27.5502, 38.7284, 19.9332

Protanopia

35.4591, 38.5221, 17.8785

Deuteranopia

38.8760, 38.1082, 20.6359



Tritanopia

34.1230, 38.7507, 52.1355

Trichromacy



Original Color

27.5502, 38.7284, 19.9332

Protanomaly

31.8986, 38.0614, 18.4973

Deuteranomaly

33.4278, 37.4211, 20.2130

Tritanomaly

31.1269, 38.3905, 37.6678

Monochromacy



Original Color

27.5502, 38.7284, 19.9332

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.5442, 34.6745, 29.1805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5502, 38.7284, 19.9332 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(123, 182, 107)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 107)  
}
```

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(123, 182, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 107) }
```

Border

The CSS property to change the border of an element to XYZ 27.5502, 38.7284, 19.9332 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(123, 182, 107) }
```


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

```
.border{ border-color:rgb(123, 182, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 182, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 182, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 182, 107);  
box-shadow:4px 4px 4px 4px rgb(123, 182,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5502, 38.7284, 19.9332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 107) }
```

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

```
.background{ background-color: rgb(123,  
182, 107) }
```

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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