

Converting Colors

XYZ(19.5430, 32.3378, 9.7280)

Have a look what the booklet for
XYZ(19.5430, 32.3378, 9.7280)
contains.

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Color

**XYZ(19.6617, 32.5047,
9.7952)**

Conversions

Conversions Part 1

Format	Color
Hex	54AE3E
RGB	84, 174, 62
RGB Percent	33%, 68%, 24%
CMY	0.6706, 0.3176, 0.7568
CMYK	0.52, 0.00, 0.64, 0.32
HSL	108°, 47%, 46%
HSV	108°, 64%, 68%
XYZ	19.6617, 32.5047, 9.7952
YIQ	134.3220, -17.6880, -53.9120

Conversions

Conversions Part 2

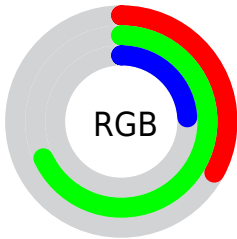
Format	Color
RYB	62, 174, 152
Decimal	5549630
CIELab	63.76, -48.08, 47.90
CIELCh	64, 67.864, 135.105
Yxy	32.5047, 0.3173, 0.5246
Android (android.graphics.Color)	4283739710 (0xFF54AE3E)
YUV	134.3220, -35.6547, -44.1324
Hunter-Lab	57.0129, -38.2143, 29.7226

Details

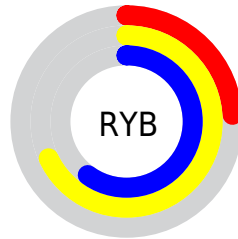
The XYZ color **19.6617, 32.5047, 9.7952** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.3133, 13.1778, 41.4137**, and the grayscale version is **22.9112, 24.1044, 26.2497**.

A 20% lighter version of the original color is **42.3186, 63.4713, 25.9403**, and **7.0511, 13.7849, 2.2891** is the 20% darker color. If you saturate the color by 10%, you get **18.1298, 31.7626, 7.6180**, and if you desaturate by 10%, it is **21.5979, 33.4396, 12.7906**.

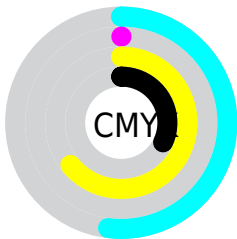
Distribution



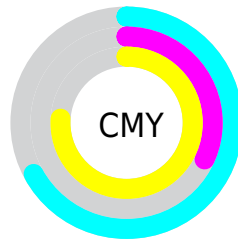
- Red (33%)
- Green (68%)
- Blue (24%)



- Red (24%)
- Yellow (68%)
- Blue (60%)



- Cyan (52%)
- Magenta (0%)
- Yellow (64%)
- Black (32%)





- Cyan (67%)
- Magenta (32%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6617, 32.5047, 9.7952 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 19.6617, 32.5047, 9.7952 by changing the saturation by 10% instead.


 19.6617, 32.5047,
9.7952


 19.6617, 32.5047,
9.7952

242.9464,
313.4119, 199.6355


 12.2562, 21.7473,
5.1596


 42.3576, 63.6015,
26.0113


 6.9919, 13.6713,
2.2808


 58.3786, 84.7096,
38.4289


 3.5033, 7.8924,
0.7204


 78.0023, 110.0368,
54.2775

 1.4252, 4.0262,
0.0000

 101.5938,
139.9674, 73.9758

 0.2740, 1.6882,
0.0000

 129.5186,
174.8858, 97.9421

 0.0000, 0.4160,
0.0000

162.1421,

 0.0000, 0.0000,

215.1764, 126.5952

0.0000

199.8296,
261.2237, 160.3535

■ 19.6617, 32.5047,
9.7952

■ 19.6617, 32.5047,
9.7952

■ 18.1298, 31.7626,
7.6180

■ 21.5979, 33.4396,
12.7906

■ 16.9697, 31.1952,
6.1761

■ 23.9630, 34.5753,
16.6722

■ 16.1474, 30.7882,
5.3732

■ 26.7823, 35.9247,
21.5033

■ 15.8021, 30.6165,
5.0767

■ 30.0783, 37.4981,
27.3409

■ 33.8722, 39.3052,
34.2374

■ 38.1836, 41.3551,
42.2416

■ 43.0313, 43.6565,
51.3994

■ 48.4331, 46.2177,
61.7538

■ 54.4058, 49.0463,
73.3460

Harmonies

Analogous

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



26.3679, 32.5047, 5.0789



19.6617, 32.5047, 9.7952



16.3720, 32.5047, 23.5598

Triad

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



19.6617, 32.5047, 9.7952



26.4265, 32.5047, 114.0197



52.1389, 32.5047, 23.4181

Complementary

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



19.6617, 32.5047, 9.7952



22.3133, 13.1778, 41.4137

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.



52.1636, 32.5047, 50.6414



19.6617, 32.5047, 9.7952



35.9121, 32.5047, 113.9109

Square

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



19.6617, 32.5047, 9.7952



19.6969, 32.5047, 87.0008



45.7527, 32.5047, 86.7528



45.6909, 32.5047, 9.7374

Rectangle

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



19.6617, 32.5047, 9.7952



16.0195, 32.5047, 40.2627



45.7527, 32.5047, 86.7528



52.9361, 32.5047, 30.9310

Sweetspot

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



19.6625, 32.5061, 9.7959



57.9031, 69.6098, 55.6380



29.4899, 31.6748, 9.1175



12.4477, 15.2705, 11.6018



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.6625, 32.5061, 9.7959



31.9655, 57.1637, 12.6213



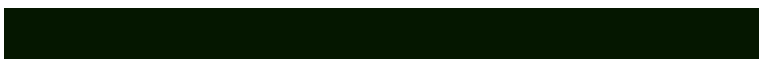
19.2166, 32.1349, 16.1607



8.0459, 9.0123, 8.5288



11.5006, 22.2259, 3.6839



0.3618, 0.6399, 0.1044

Inverse Universe

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



22.3133, 13.1778, 41.4137



36.9930, 19.3058, 74.4135



23.9426, 14.3501, 26.4751



8.1806, 8.0674, 10.0787



13.4127, 6.2744, 29.5487



0.4120, 0.1946, 0.8238

Previews

White Background



This preview shows how the XYZ color 19.6617, 32.5047, 9.7952 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 19.6617, 32.5047, 9.7952 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 19.6617, 32.5047, 9.7952

Background



This preview shows how black text looks on a background with the XYZ color 19.6617, 32.5047, 9.7952.



This preview shows how white text looks on a background with the XYZ color 19.6617, 32.5047,

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

19.6617, 32.5047, 9.7952

Protanopia

29.0640, 32.0547, 8.3967

Deuteranopia

32.6514, 31.9599, 10.4092



Tritanopia

26.8775, 32.3931, 45.9102

Trichromacy



Original Color

19.6617, 32.5047, 9.7952



Protanomaly

24.1561, 31.2842, 8.7683



Deuteranomaly

25.6944, 30.7736, 10.0545



Tritanomaly

23.2289, 31.9834, 27.8708

Monochromacy



Original Color

19.6617, 32.5047, 9.7952



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.6567, 26.2906, 18.1732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6617, 32.5047, 9.7952 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(84, 174, 62)` looks like.

```
.text, #text, p{  
    color:rgb(84, 174, 62)  
}
```

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(84, 174, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 174, 62) }
```

Border

The CSS property to change the border of an element to XYZ 19.6617, 32.5047, 9.7952 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(84, 174, 62) }
```


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

```
.border{ border-color:rgb(84, 174, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 174, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 174, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 174, 62);  
box-shadow:4px 4px 4px 4px rgb(84, 174,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6617, 32.5047, 9.7952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 174, 62) }
```

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

```
.background{ background-color: rgb(84, 174,  
62) }
```

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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