

Converting Colors

XYZ(19.6607, 32.5777, 17.4806)

Have a look what the booklet for
XYZ(19.6607, 32.5777, 17.4806)
contains.

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Color

**XYZ(19.7288, 32.6563,
17.5754)**

Conversions

Conversions Part 1

Format	Color
Hex	3FAF65
RGB	63, 175, 101
RGB Percent	25%, 69%, 40%
CMY	0.7529, 0.3137, 0.6039
CMYK	0.64, 0.00, 0.42, 0.31
HSL	140°, 47%, 47%
HSV	140°, 64%, 69%
XYZ	19.7288, 32.6563, 17.5754
YIQ	133.0760, -42.9980, -46.7580

Conversions

Conversions Part 2

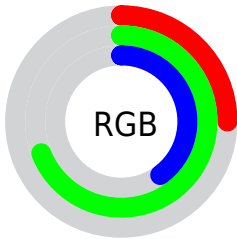
Format	Color
RYB	63, 147, 175
Decimal	4173669
CIELab	63.88, -48.27, 28.83
CIElCh	64, 56.227, 149.152
Yxy	32.6563, 0.2820, 0.4668
Android (android.graphics.Color)	4282363749 (0xFF3FAF65)
YUV	133.0760, -15.8135, -61.4567
Hunter-Lab	57.1457, -38.3802, 21.7671

Details

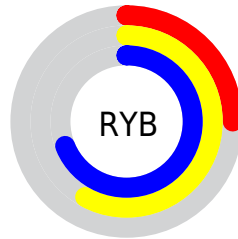
The XYZ color **19.7288, 32.6563, 17.5754** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **23.9730, 14.4757, 25.1983**, and the grayscale version is **22.3897, 23.5557, 25.6521**.

A 20% lighter version of the original color is **42.3517, 63.5893, 40.1788**, and **7.4800, 13.9318, 5.6630** is the 20% darker color. If you saturate the color by 10%, you get **18.2566, 31.9592, 14.7547**, and if you desaturate by 10%, it is **21.6375, 33.5711, 20.8341**.

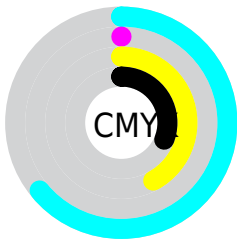
Distribution



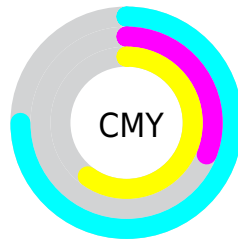
- Red (25%)
- Green (69%)
- Blue (40%)



- Red (25%)
- Yellow (58%)
- Blue (69%)



- Cyan (64%)
- Magenta (0%)
- Yellow (42%)
- Black (31%)



- Cyan (75%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7288, 32.6563, 17.5754 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 19.7288, 32.6563, 17.5754 by changing the saturation by 10% instead.

■ 19.7288, 32.6563,
17.5754

■ 19.7288, 32.6563,
17.5754

243.3048,
314.0982, 250.6220

■ 12.3052, 21.8633,
10.4793

■ 42.4694, 63.8386,
40.1166

■ 7.0255, 13.7565,
5.6082

■ 58.5172, 84.9966,
56.3988

■ 3.5246, 7.9515,
2.5434

■ 78.1703, 110.3784,
76.5801

■ 1.4368, 4.0639,
0.8630

■ 101.7943,
140.3684, 101.0790

■ 0.2822, 1.7094,
0.0000

■ 129.7543,
175.3510, 130.3141

■ 0.0000, 0.4297,
0.0000

162.4159,

■ 0.0000, 0.0000,

215.7105, 164.7040

0.0000

200.1442,
261.8315, 204.6671

■ 19.7288, 32.6563,
17.5754

■ 19.7288, 32.6563,
17.5754

■ 18.2566, 31.9592,
14.7547

■ 21.6375, 33.5711,
20.8341

■ 17.1802, 31.4564,
12.3508

■ 24.0139, 34.7164,
24.5463

■ 16.4548, 31.1261,
10.3436

■ 26.8889, 36.1089,
28.7297

■ 16.1298, 30.9809,
9.3189

■ 30.2901, 37.7625,
33.4003

■ 34.2430, 39.6898,
38.5730

■ 38.7712, 41.9030,
44.2626

■ 43.8972, 44.4131,
50.4828

■ 49.6421, 47.2310,
57.2470

■ 56.0260, 50.3666,
64.5682

Harmonies

Analogous

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



24.2052, 32.6563, 9.4732



19.7288, 32.6563, 17.5754



18.1820, 32.6563, 34.9166

Triad

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



19.7288, 32.6563, 17.5754



30.8143, 32.6563, 99.2944



46.3025, 32.6563, 18.2825

Complementary

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



19.7288, 32.6563, 17.5754



23.9730, 14.4757, 25.1983

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.



48.8608, 32.6563, 36.2055



19.7288, 32.6563, 17.5754



39.0509, 32.6563, 88.7609

Square

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



19.7288, 32.6563, 17.5754



23.8765, 32.6563, 87.5802



46.0094, 32.6563, 62.8878



39.5069, 32.6563, 9.7426

Rectangle

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



19.7288, 32.6563, 17.5754



18.7765, 32.6563, 51.8435



46.0094, 32.6563, 62.8878



47.7329, 32.6563, 23.0980

Sweetspot

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



19.7296, 32.6576, 17.5761



57.4279, 69.1786, 64.0306



26.6544, 36.3952, 10.3229



12.3330, 15.1656, 13.6630



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.



19.7296, 32.6576, 17.5761



31.7781, 56.8047, 24.4702



23.4098, 34.1297, 36.9558



8.0124, 8.9825, 9.0905



11.5769, 22.1960, 6.8114



0.3481, 0.6279, 0.3264

Inverse Universe

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



23.9730, 14.4757, 25.1983



39.9358, 21.6110, 38.9458



20.9679, 13.2736, 9.3735



8.2198, 8.1012, 9.4684



14.9321, 7.4354, 12.5541



0.4396, 0.2165, 0.4767

Previews

White Background



This preview shows how the XYZ color 19.7288, 32.6563, 17.5754 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 19.7288, 32.6563, 17.5754 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 19.7288, 32.6563, 17.5754

Background



This preview shows how black text looks on a background with the XYZ color 19.7288, 32.6563, 17.5754.



This preview shows how white text looks on a background with the XYZ color 19.7288, 32.6563,

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

19.7288, 32.6563, 17.5754

Protanopia

29.6798, 32.2263, 15.0119

Deuteranopia

32.6689, 32.0174, 18.6455



Tritanopia

25.7034, 32.5533, 47.5765

Trichromacy



Original Color

19.7288, 32.6563, 17.5754



Protanomaly

24.2376, 31.4310, 15.8557



Deuteranomaly

25.2542, 30.6228, 17.9444



Tritanomaly

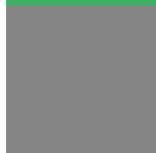
22.9158, 32.2300, 34.2914

Monochromacy



Original Color

19.7288, 32.6563, 17.5754



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.2254, 25.7484, 21.9931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7288, 32.6563, 17.5754 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(63, 175, 101)` looks like.

```
.text, #text, p{  
    color:rgb(63, 175, 101)  
}
```

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(63, 175, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 175, 101) }
```

Border

The CSS property to change the border of an element to XYZ 19.7288, 32.6563, 17.5754 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(63, 175, 101) }
```


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

```
.border{ border-color:rgb(63, 175, 101) }
```

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

Here you see how a box with a 4 pixel rgb(63, 175, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 175, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 175, 101);  
box-shadow:4px 4px 4px 4px rgb(63, 175,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7288, 32.6563, 17.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 175, 101) }
```

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

```
.background{ background-color: rgb(63, 175,  
101) }
```

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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