

Converting Colors

XYZ(21.9431, 32.0291, 17.6322)

Have a look what the booklet for
XYZ(21.9431, 32.0291, 17.6322)
contains.

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Color

**XYZ(21.9531, 32.1019,
17.6096)**

Conversions

Conversions Part 1

Format	Color
Hex	65A966
RGB	101, 169, 102
RGB Percent	40%, 66%, 40%
CMY	0.6039, 0.3372, 0.6000
CMYK	0.40, 0.00, 0.40, 0.34
HSL	121°, 28%, 53%
HSV	121°, 40%, 66%
XYZ	21.9531, 32.1019, 17.6096
YIQ	141.0300, -19.0210, -35.2530

Conversions

Conversions Part 2

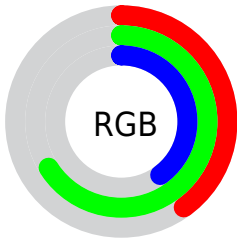
Format	Color
RYB	101, 168, 169
Decimal	6662502
CIELab	63.43, -35.58, 27.98
CIElCh	63, 45.263, 141.823
Yxy	32.1019, 0.3063, 0.4479
Android (android.graphics.Color)	4284852582 (0xFF65A966)
YUV	141.0300, -19.2418, -35.1063
Hunter-Lab	56.6585, -29.9903, 21.2335

Details

The XYZ color **21.9531, 32.1019, 17.6096** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.0848, 20.5703, 39.5373**, and the grayscale version is **25.4083, 26.7315, 29.1106**.

A 20% lighter version of the original color is **46.2755, 63.1521, 40.3224**, and **8.1302, 13.3855, 5.6452** is the 20% darker color. If you saturate the color by 10%, you get **19.5074, 30.9281, 13.6090**, and if you desaturate by 10%, it is **24.9554, 33.5454, 22.5035**.

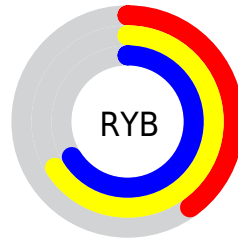
Distribution



Red (40%)

Green (66%)

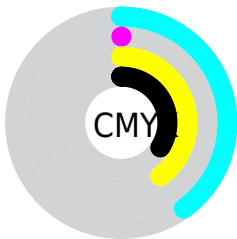
Blue (40%)



Red (40%)

Yellow (66%)

Blue (66%)

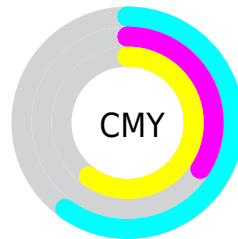


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (34%)



Cyan (60%)

Magenta (34%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9531, 32.1019, 17.6096 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 21.9531, 32.1019, 17.6096 by changing the saturation by 10% instead.

■ 21.9531, 32.1019,
17.6096

■ 21.9531, 32.1019,
17.6096

254.9382,
311.5832, 250.8230

■ 13.9389, 21.4393,
10.5035

■ 46.1479, 62.9708,
40.1759

■ 8.1596, 13.4455,
5.6241

■ 63.0592, 83.9459,
56.4732

■ 4.2499, 7.7360,
2.5528

■ 83.6668, 109.1274,
76.6713

■ 1.8445, 3.9265,
0.8680

■ 108.3362,
138.8995, 101.1887

■ 0.5442, 1.6325,
0.0000

137.4327,
173.6468, 130.4441

■ 0.0000, 0.3794,
0.0000

171.3216,

■ 0.0000, 0.0000,

213.7536, 164.8559

0.0000

210.3683,
259.6042, 204.8427

■ 21.9531, 32.1019,
17.6096

■ 21.9531, 32.1019,
17.6096

■ 19.5074, 30.9281,
13.6090

■ 24.9554, 33.5454,
22.5035

■ 17.5819, 30.0035,
10.4459

■ 28.5431, 35.2695,
28.3378

■ 16.1397, 29.3112,
8.0613


■ 32.7458, 37.2894,
35.1589


■ 15.1379, 28.8308,
6.3881


■ 37.5904, 39.6181,
43.0096


■ 14.5262, 28.5379,
5.3474


■ 43.1022, 42.2679,
51.9299

 14.2022, 28.3826,
4.8013

 49.3052, 45.2501,
61.9579

 56.2222, 48.5758,
73.1298

 63.8749, 52.2555,
85.4802

 72.2842, 56.2992,
99.0420

Harmonies

Analogous

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



26.2307, 32.1019, 11.6413



21.9531, 32.1019, 17.6096



20.0324, 32.1019, 30.2520

Triad

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



21.9531, 32.1019, 17.6096



28.8228, 32.1019, 81.7074



43.1817, 32.1019, 23.5878

Complementary

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



21.9531, 32.1019, 17.6096



28.0848, 20.5703, 39.5373

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.



44.1266, 32.1019, 40.1186



21.9531, 32.1019, 17.6096



35.2353, 32.1019, 78.0105

Square

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



21.9531, 32.1019, 17.6096



23.6264, 32.1019, 69.8908



41.0481, 32.1019, 61.0503



38.6199, 32.1019, 14.1741

Rectangle

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



21.9531, 32.1019, 17.6096



20.1335, 32.1019, 42.5463



41.0481, 32.1019, 61.0503



43.9559, 32.1019, 28.3225

Sweetspot

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



21.9539, 32.1033, 17.6103



57.0652, 66.0219, 60.4053



32.9005, 37.7521, 17.8651



12.2291, 14.2896, 12.8272



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.9539, 32.1033, 17.6103



35.4822, 55.6508, 25.2682



23.9289, 32.8932, 28.0104



7.4411, 8.4095, 8.0428



10.5861, 21.1532, 3.5875



0.2589, 0.5152, 0.0944

Inverse Universe

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



28.0848, 20.5703, 39.5373



47.9475, 32.1983, 69.8470



25.3900, 19.4923, 25.3467



7.8371, 7.6647, 9.4593



17.3615, 8.3533, 27.7790



0.4239, 0.2038, 0.6835

Previews

White Background



This preview shows how the XYZ color 21.9531, 32.1019, 17.6096 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 21.9531, 32.1019, 17.6096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

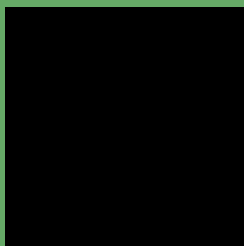
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.9531, 32.1019, 17.6096

Background



This preview shows how black text looks on a background with the XYZ color 21.9531, 32.1019, 17.6096.



This preview shows how white text looks on a background with the XYZ color 21.9531, 32.1019,

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

21.9531, 32.1019, 17.6096

Protanopia

29.4389, 31.8425, 15.6609

Deuteranopia

32.2241, 31.5644, 18.3041



Tritanopia

27.3579, 32.1517, 44.2991

Trichromacy



Original Color

21.9531, 32.1019, 17.6096

Protanomaly

25.9304, 31.5178, 16.2721

Deuteranomaly

27.2423, 30.9034, 17.8937

Tritanomaly

24.9723, 31.9725, 32.4589

Monochromacy



Original Color

21.9531, 32.1019, 17.6096

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.5016, 28.1011, 24.2641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9531, 32.1019, 17.6096 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(101, 169, 102)` looks like.

```
.text, #text, p{  
    color:rgb(101, 169, 102)  
}
```

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(101, 169, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 169, 102) }
```

Border

The CSS property to change the border of an element to XYZ 21.9531, 32.1019, 17.6096 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(101, 169, 102) }
```


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

```
.border{ border-color:rgb(101, 169, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 169, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 169, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 169, 102);  
box-shadow:4px 4px 4px 4px rgb(101, 169,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9531, 32.1019, 17.6096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 169, 102) }
```

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

```
.background{ background-color: rgb(101,  
169, 102) }
```

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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