

Converting Colors

XYZ(21.6224, 31.5667, 36.2616)

Have a look what the booklet for
XYZ(21.6224, 31.5667, 36.2616)
contains.

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Color

**XYZ(21.6049, 31.5063,
36.3951)**

Conversions

Conversions Part 1

Format	Color
Hex	34A99C
RGB	52, 169, 156
RGB Percent	20%, 66%, 61%
CMY	0.7961, 0.3372, 0.3882
CMYK	0.69, 0.00, 0.08, 0.34
HSL	173°, 53%, 43%
HSV	173°, 69%, 66%
XYZ	21.6049, 31.5063, 36.3951
YIQ	132.5350, -65.5590, -28.8470

Conversions

Conversions Part 2

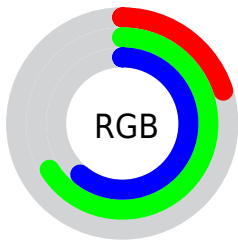
Format	Color
RYB	52, 114, 169
Decimal	3451292
CIELab	62.93, -35.08, -2.71
CIELCh	63, 35.186, 184.417
Yxy	31.5063, 0.2414, 0.3520
Android (android.graphics.Color)	4281641372 (0xFF34A99C)
YUV	132.5350, 11.5682, -70.6292
Hunter-Lab	56.1305, -29.5228, 0.8476

Details

The XYZ color **21.6049, 31.5063, 36.3951** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.5454, 11.2736, 6.2008**, and the grayscale version is **22.1029, 23.2540, 25.3236**.

A 20% lighter version of the original color is **45.6283, 62.1484, 70.5637**, and **8.7952, 13.5107, 15.5089** is the 20% darker color. If you saturate the color by 10%, you get **20.7282, 31.0733, 35.5309**, and if you desaturate by 10%, it is **22.7973, 32.1032, 37.2883**.

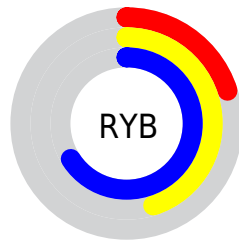
Distribution



Red (20%)

Green (66%)

Blue (61%)



Red (20%)

Yellow (45%)

Blue (66%)

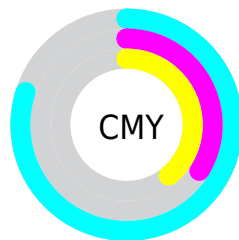


Cyan (69%)

Magenta (0%)

Yellow (8%)

Black (34%)



Cyan (80%)

Magenta (34%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6049, 31.5063, 36.3951 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 21.6049, 31.5063, 36.3951 by changing the saturation by 10% instead.

■ 21.6049, 31.5063,
36.3951

■ 21.6049, 31.5063,
36.3951

253.1473,
308.8641, 345.7737

■ 13.6818, 20.9847,
24.4474

■ 45.5758, 62.0363,
70.8174

■ 7.9799, 13.1128,
15.4506

■ 62.3544, 82.8135,
94.1290

■ 4.1338, 7.5063,
8.9861

■ 82.8156, 107.7780,
122.0656

■ 1.7781, 3.7807,
4.6354

■ 107.3247,
137.3142, 155.0459

■ 0.5044, 1.5517,
1.9800

■ 136.2470,
171.8066, 193.4883

■ 0.0000, 0.3247,
0.5429

169.9480,

■ 0.0000, 0.0000,

211.6394, 237.8114

0.0000

208.7930,
257.1971, 288.4336

■ 21.6049, 31.5063,
36.3951

■ 21.6049, 31.5063,
36.3951

■ 20.7282, 31.0733,
35.5309

■ 22.7973, 32.1032,
37.2883

■ 20.1294, 30.7826,
34.6918

■ 24.3324, 32.8758,
38.2097

■ 19.7394, 30.5992,
33.8752

■ 26.2377, 33.8389,
39.1615

■ 19.7114, 30.5861,
33.8128

■ 28.5368, 35.0048,
40.1446

■ 31.2517, 36.3847,
41.1603

■ 34.4025, 37.9890,
42.2095

■ 38.0080, 39.8275,
43.2931

■ 42.0862, 41.9093,
44.4121

■ 46.6536, 44.2431,
45.5673

Harmonies

Analogous

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



22.3233, 31.5063, 24.0500



21.6049, 31.5063, 36.3951



22.9166, 31.5063, 51.6488

Triad

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



21.6049, 31.5063, 36.3951



35.5099, 31.5063, 61.2699



34.1396, 31.5063, 15.4671

Complementary

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



21.6049, 31.5063, 36.3951



18.5454, 11.2736, 6.2008

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.



38.2827, 31.5063, 21.3566



21.6049, 31.5063, 36.3951



39.1317, 31.5063, 47.1256

Square

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



21.6049, 31.5063, 36.3951



30.6670, 31.5063, 68.2603



40.1970, 31.5063, 32.2965



29.2360, 31.5063, 14.0269

Rectangle

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



21.6049, 31.5063, 36.3951



24.8584, 31.5063, 60.8136



40.1970, 31.5063, 32.2965



35.6838, 31.5063, 16.8966

Sweetspot

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



21.6058, 31.5075, 36.3958



54.8590, 64.5965, 73.3174



17.0321, 29.7713, 8.0983



11.6716, 13.9342, 15.8753



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.



21.6058, 31.5075, 36.3958



36.5002, 55.3452, 62.8361



15.8052, 18.0489, 40.1882



7.7111, 8.5175, 9.4648



14.7025, 22.7998, 25.2640



0.3675, 0.5587, 0.6664

Inverse Universe

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



18.5454, 11.2736, 6.2008



30.7254, 16.7478, 5.5510



21.2440, 17.2059, 5.4509



7.5638, 7.5554, 8.0199



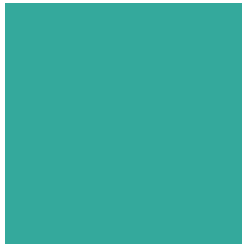
12.2915, 6.3253, 1.0805



0.3091, 0.1579, 0.0793

Previews

White Background



This preview shows how the XYZ color 21.6049, 31.5063, 36.3951 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 21.6049, 31.5063, 36.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

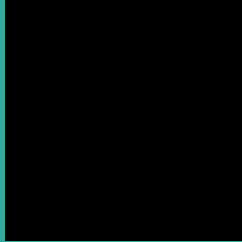
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.6049, 31.5063, 36.3951

Background



This preview shows how black text looks on a background with the XYZ color 21.6049, 31.5063, 36.3951.

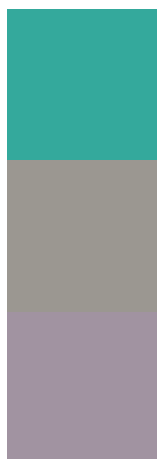


This preview shows how white text looks on a background with the XYZ color 21.6049, 31.5063,

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

21.6049, 31.5063, 36.3951

Protanopia

29.6950, 31.1461, 31.2348

Deuteranopia

31.5647, 31.0177, 38.0416



Tritanopia

23.8873, 31.6171, 47.4915

Trichromacy



Original Color

21.6049, 31.5063, 36.3951



Protanomaly

25.1229, 30.4752, 32.9920



Deuteranomaly

25.8645, 30.0108, 37.2304



Tritanomaly

23.0329, 31.5384, 43.4016

Monochromacy



Original Color

21.6049, 31.5063, 36.3951



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.7955, 25.4239, 29.0106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6049, 31.5063, 36.3951 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(52, 169, 156)` looks like.

```
.text, #text, p{  
    color:rgb(52, 169, 156)  
}
```

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(52, 169, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 169, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.6049, 31.5063, 36.3951 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(52, 169, 156) }
```


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

```
.border{ border-color:rgb(52, 169, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 169, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 169, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 169, 156);  
box-shadow:4px 4px 4px 4px rgb(52, 169,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6049, 31.5063, 36.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 169, 156) }
```

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

```
.background{ background-color: rgb(52, 169,  
156) }
```

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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