

Converting Colors

XYZ(21.9361, 30.4187, 32.3011)

Have a look what the booklet for
XYZ(21.9361, 30.4187, 32.3011)
contains.

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Color

**XYZ(21.9353, 30.4068,
32.3168)**

Conversions

Conversions Part 1

Format	Color
Hex	51A493
RGB	81, 164, 147
RGB Percent	32%, 64%, 58%
CMY	0.6823, 0.3569, 0.4235
CMYK	0.51, 0.00, 0.10, 0.36
HSL	168°, 34%, 48%
HSV	168°, 51%, 64%
XYZ	21.9353, 30.4068, 32.3168
YIQ	137.2450, -44.0110, -22.8830

Conversions

Conversions Part 2

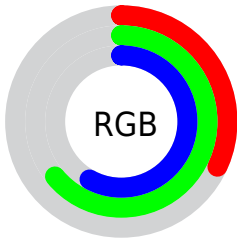
Format	Color
RYB	81, 127, 164
Decimal	5350547
CIELab	62.00, -29.53, 1.08
CIELCh	62, 29.548, 177.906
Yxy	30.4068, 0.2591, 0.3592
Android (android.graphics.Color)	4283540627 (0xFF51A493)
YUV	137.2450, 4.8092, -49.3269
Hunter-Lab	55.1424, -25.4929, 3.8521

Details

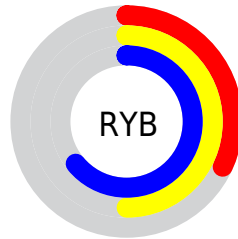
The XYZ color **21.9353, 30.4068, 32.3168** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4579, 14.6601, 13.3080**, and the grayscale version is **23.8656, 25.1085, 27.3432**.

A 20% lighter version of the original color is **46.0275, 60.1143, 64.4357**, and **8.2013, 12.5800, 13.3052** is the 20% darker color. If you saturate the color by 10%, you get **20.4365, 29.6649, 30.8911**, and if you desaturate by 10%, it is **23.7830, 31.3292, 33.8003**.

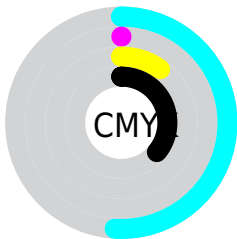
Distribution



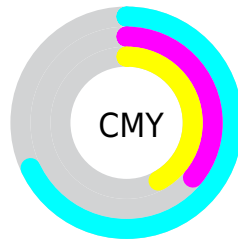
- Red (32%)
- Green (64%)
- Blue (58%)



- Red (32%)
- Yellow (50%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)



- Cyan (68%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9353, 30.4068, 32.3168 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 21.9353, 30.4068, 32.3168 by changing the saturation by 10% instead.

■ 21.9353, 30.4068,
32.3168

■ 21.9353, 30.4068,
32.3168

254.8469,
303.7961, 327.0969

■ 13.9257, 20.1476,
21.3368

■ 46.1187, 60.3049,
64.4111

■ 8.1504, 12.5024,
13.1768

■ 63.0232, 80.7126,
86.3624

■ 4.2439, 7.0868,
7.4182

■ 83.6234, 105.2719,
112.8079

■ 1.8410, 3.5164,
3.6426

■ 108.2846,
134.3671, 144.1661

■ 0.5422, 1.4069,
1.4314

■ 137.3722,
168.3828, 180.8556

■ 0.0000, 0.2218,
0.1660

171.2516,

■ 0.0000, 0.0000,

207.7032, 223.2948

0.0000

210.2880,
252.7129, 271.9025

■ 21.9353, 30.4068,
32.3168

■ 21.9353, 30.4068,
32.3168

■ 20.4365, 29.6649,
30.8911

■ 23.7830, 31.3292,
33.8003

■ 19.2590, 29.0870,
29.5196

■ 25.9994, 32.4400,
35.3410

■ 18.3753, 28.6597,
28.2014

■ 28.6059, 33.7509,
36.9408

■ 17.7523, 28.3659,
26.9346

■ 31.6214, 35.2719,
38.6009

■ 17.3327, 28.1746,
25.7880

■ 35.0639, 37.0120,
40.3225

■ 38.9498, 38.9798,
42.1067

■ 43.2951, 41.1835,
43.9545

■ 48.1146, 43.6307,
45.8670

■ 53.4228, 46.3289,
47.8450

Harmonies

Analogous

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



22.9142, 30.4068, 22.8142



21.9353, 30.4068, 32.3168



22.6765, 30.4068, 44.4073

Triad

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



21.9353, 30.4068, 32.3168



32.6156, 30.4068, 56.3793



33.1412, 30.4068, 17.8481

Complementary

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



21.9353, 30.4068, 32.3168



20.4579, 14.6601, 13.3080

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.



36.1709, 30.4068, 23.9088



21.9353, 30.4068, 32.3168



35.8485, 30.4068, 46.1084

Square

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



21.9353, 30.4068, 32.3168



28.6232, 30.4068, 60.0542



37.2037, 30.4068, 33.9117



29.1801, 30.4068, 15.7378

Rectangle

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



21.9353, 30.4068, 32.3168



24.0879, 30.4068, 52.0845



37.2037, 30.4068, 33.9117



34.3155, 30.4068, 19.4113

Sweetspot

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



21.9362, 30.4080, 32.3175



54.7434, 62.6834, 68.6426



19.9054, 29.7979, 12.4878



11.7316, 13.5846, 14.8755



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.9362, 30.4080, 32.3175



36.7285, 53.6645, 55.6810



19.5440, 23.3285, 38.5960



7.2137, 7.9863, 8.7369



13.3068, 21.6091, 19.8639



0.2945, 0.4600, 0.4957

Inverse Universe

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



20.4579, 14.6601, 13.3080



33.7555, 21.7278, 17.2531



21.7986, 18.4926, 10.2058



7.1304, 7.1086, 7.6729



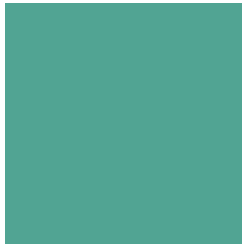
11.9703, 6.1442, 1.7682



0.2667, 0.1352, 0.1170

Previews

White Background



This preview shows how the XYZ color 21.9353, 30.4068, 32.3168 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 21.9353, 30.4068, 32.3168 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 21.9353, 30.4068, 32.3168

Background



This preview shows how black text looks on a background with the XYZ color 21.9353, 30.4068, 32.3168.

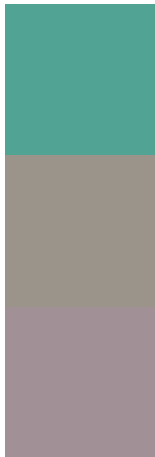


This preview shows how white text looks on a background with the XYZ color 21.9353, 30.4068,

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

21.9353, 30.4068, 32.3168

Protanopia

28.5038, 29.8848, 28.3108

Deuteranopia

30.4595, 29.8623, 33.4368



Tritanopia

24.2335, 30.2826, 44.1030

Trichromacy



Original Color

21.9353, 30.4068, 32.3168

Protanomaly

25.1157, 29.5463, 29.5786

Deuteranomaly

26.2445, 29.3218, 33.1306

Tritanomaly

23.2835, 30.1485, 39.7140

Monochromacy



Original Color

21.9353, 30.4068, 32.3168

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.5776, 26.5724, 29.1383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9353, 30.4068, 32.3168 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(81, 164, 147)` looks like.

```
.text, #text, p{  
    color:rgb(81, 164, 147)  
}
```

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(81, 164, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 164, 147) }
```

Border

The CSS property to change the border of an element to XYZ 21.9353, 30.4068, 32.3168 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(81, 164, 147) }
```


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

```
.border{ border-color:rgb(81, 164, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 164, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 164, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 164, 147);  
box-shadow:4px 4px 4px 4px rgb(81, 164,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9353, 30.4068, 32.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 164, 147) }
```

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

```
.background{ background-color: rgb(81, 164,  
147) }
```

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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