

Converting Colors

XYZ(21.1058, 32.9130, 21.4867)

Have a look what the booklet for
XYZ(21.1058, 32.9130, 21.4867)
contains.

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Color

**XYZ(21.1322, 33.0058,
21.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	4BAE73
RGB	75, 174, 115
RGB Percent	29%, 68%, 45%
CMY	0.7059, 0.3176, 0.5490
CMYK	0.57, 0.00, 0.34, 0.32
HSL	144°, 40%, 49%
HSV	144°, 57%, 68%
XYZ	21.1322, 33.0058, 21.4766
YIQ	137.6730, -40.0650, -39.3370

Conversions

Conversions Part 2

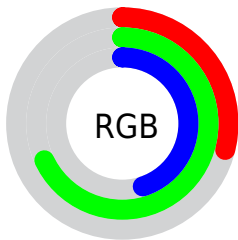
Format	Color
RYB	75, 146, 174
Decimal	4959859
CIELab	64.17, -42.64, 21.80
CIElCh	64, 47.885, 152.925
Yxy	33.0058, 0.2795, 0.4365
Android (android.graphics.Color)	4283149939 (0xFF4BAE73)
YUV	137.6730, -11.1778, -54.9642
Hunter-Lab	57.4507, -34.8807, 18.0513

Details

The XYZ color **21.1322, 33.0058, 21.4766** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.2758, 15.7527, 24.3164**, and the grayscale version is **24.0857, 25.3401, 27.5953**.

A 20% lighter version of the original color is **44.6319, 64.2089, 46.6004**, and **7.8207, 14.0681, 7.4575** is the 20% darker color. If you saturate the color by 10%, you get **19.3894, 32.1734, 18.4537**, and if you desaturate by 10%, it is **23.3160, 34.0596, 24.8720**.

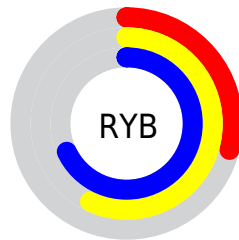
Distribution



Red (29%)

Green (68%)

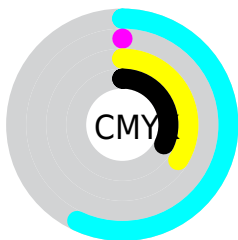
Blue (45%)



Red (29%)

Yellow (57%)

Blue (68%)

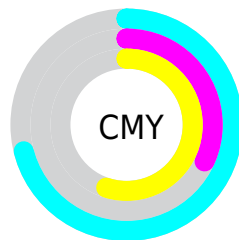


Cyan (57%)

Magenta (0%)

Yellow (34%)

Black (32%)



Cyan (71%)


Magenta (32%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1322, 33.0058, 21.4766 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 21.1322, 33.0058, 21.4766 by changing the saturation by 10% instead.


 21.1322, 33.0058,
21.4766


 21.1322, 33.0058,
21.4766


250.6987,
315.6759, 272.6644


 13.3337, 22.1309,
13.2782


 44.7971, 64.3846,
46.7704


 7.7373, 13.9531,
7.4874


 61.3941, 85.6572,
64.7029


 3.9777, 8.0881,
3.6857


 81.6547, 111.1646,
86.7172

 1.6895, 4.1513,
1.4546

 105.9443,
141.2911, 113.2319

 0.4497, 1.7586,
0.1837

 134.6281,
176.4211, 144.6653

 0.0000, 0.4612,
0.0000

168.0715,

 0.0000, 0.0000,

216.9389, 181.4362

0.0000

206.6399,
263.2290, 223.9631

■ 21.1322, 33.0058,
21.4766

■ 21.1322, 33.0058,
21.4766

■ 19.3894, 32.1734,
18.4537

■ 23.3160, 34.0596,
24.8720

■ 18.0517, 31.5414,
15.7880

■ 25.9681, 35.3459,
28.6502

■ 17.0815, 31.0916,
13.4663

■ 29.1163, 36.8798,
32.8236

■ 16.4243, 30.7962,
11.4730

■ 32.7855, 38.6737,
37.4035

■ 16.2518, 30.7194,
10.9176

■ 36.9989, 40.7396,
42.4008

■ 41.7784, 43.0884,
47.8258

■ 47.1444, 45.7305,
53.6885

■ 53.1164, 48.6757,
59.9986

■ 59.7131, 51.9335,
66.7655

Harmonies

Analogous

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



24.8027, 33.0058, 12.8188



21.1322, 33.0058, 21.4766



20.0654, 33.0058, 37.8773

Triad

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



21.1322, 33.0058, 21.4766



32.0412, 33.0058, 87.6360



43.6412, 33.0058, 19.2188

Complementary

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



21.1322, 33.0058, 21.4766



24.2758, 15.7527, 24.3164

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.



46.2820, 33.0058, 34.0655



21.1322, 33.0058, 21.4766



39.0072, 33.0058, 77.2914

Square

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



21.1322, 33.0058, 21.4766



25.8013, 33.0058, 80.5104



44.4757, 33.0058, 55.7606



37.6896, 33.0058, 11.8840

Rectangle

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



21.1322, 33.0058, 21.4766



20.8269, 33.0058, 52.5386



44.4757, 33.0058, 55.7606



44.9814, 33.0058, 23.2636

Sweetspot

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



21.1331, 33.0071, 21.4774



59.1793, 70.0066, 67.4931



26.3025, 35.8829, 12.1966



12.8485, 15.4106, 14.6279



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.



21.1331, 33.0071, 21.4774



34.5462, 58.0613, 32.2994



24.7486, 34.4534, 40.5166



8.0336, 8.9910, 9.2018



11.8149, 22.2912, 8.0648



0.3562, 0.6311, 0.3693

Inverse Universe

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



24.2758, 15.7527, 24.3164



40.7756, 23.7405, 37.8385



21.6083, 14.6857, 10.2696



8.1980, 8.0924, 9.3535



14.4918, 7.2593, 10.2352



0.4293, 0.2124, 0.4224

Previews

White Background



This preview shows how the XYZ color 21.1322, 33.0058, 21.4766 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 21.1322, 33.0058, 21.4766 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 21.1322, 33.0058, 21.4766

Background



This preview shows how black text looks on a background with the XYZ color 21.1322, 33.0058, 21.4766.



This preview shows how white text looks on a background with the XYZ color 21.1322, 33.0058,

21.4766.

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

21.1322, 33.0058, 21.4766

Protanopia

30.1458, 32.3882, 18.5726

Deuteranopia

33.0972, 32.3840, 22.5955



Tritanopia

26.3890, 32.9068, 47.6086

Trichromacy



Original Color

21.1322, 33.0058, 21.4766



Protanomaly

25.3909, 31.6839, 19.5292



Deuteranomaly

26.5421, 31.1966, 22.0754



Tritanomaly

24.1192, 32.8025, 36.5128

Monochromacy



Original Color

21.1322, 33.0058, 21.4766



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.1661, 27.3898, 25.2376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1322, 33.0058, 21.4766 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(75, 174, 115)` looks like.

```
.text, #text, p{  
    color:rgb(75, 174, 115)  
}
```

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(75, 174, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 174, 115) }
```

Border

The CSS property to change the border of an element to XYZ 21.1322, 33.0058, 21.4766 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(75, 174, 115) }
```


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

```
.border{ border-color:rgb(75, 174, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 174, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 174, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 174, 115);  
box-shadow:4px 4px 4px 4px rgb(75, 174,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1322, 33.0058, 21.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 174, 115) }
```

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

```
.background{ background-color: rgb(75, 174,  
115) }
```

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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