

Converting Colors

XYZ(21.5900, 37.2977, 19.0212)

Have a look what the booklet for
XYZ(21.5900, 37.2977, 19.0212)
contains.

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Color

**XYZ(21.5339, 37.1980,
18.8769)**

Conversions

Conversions Part 1

Format	Color
Hex	32BB67
RGB	50, 187, 103
RGB Percent	20%, 73%, 40%
CMY	0.8039, 0.2667, 0.5961
CMYK	0.73, 0.00, 0.45, 0.27
HSL	143°, 58%, 46%
HSV	143°, 73%, 73%
XYZ	21.5339, 37.1980, 18.8769
YIQ	136.4610, -54.6880, -55.1680

Conversions

Conversions Part 2

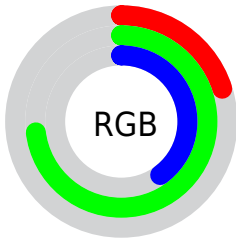
Format	Color
RYB	50, 149, 187
Decimal	3324775
CIELab	67.43, -54.78, 32.32
CIELCh	67, 63.602, 149.462
Yxy	37.1980, 0.2775, 0.4793
Android (android.graphics.Color)	4281514855 (0xFF32BB67)
YUV	136.4610, -16.4963, -75.8263
Hunter-Lab	60.9902, -43.7095, 24.3424

Details

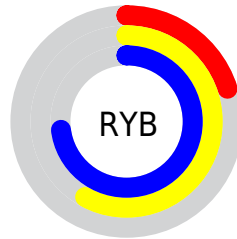
The XYZ color **21.5339, 37.1980, 18.8769** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.9384, 14.5680, 24.0006**, and the grayscale version is **23.6504, 24.8821, 27.0966**.

A 20% lighter version of the original color is **45.3373, 70.7128, 42.2698**, and **8.9171, 16.7689, 6.2568** is the 20% darker color. If you saturate the color by 10%, you get **20.2568, 36.6027, 16.0166**, and if you desaturate by 10%, it is **23.2682, 38.0220, 22.1723**.

Distribution



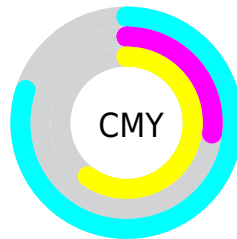
- Red (20%)
- Green (73%)
- Blue (40%)



- Red (20%)
- Yellow (58%)
- Blue (73%)



- Cyan (73%)
- Magenta (0%)
- Yellow (45%)
- Black (27%)





- Cyan (80%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5339, 37.1980, 18.8769 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 21.5339, 37.1980, 18.8769 by changing the saturation by 10% instead.


 21.5339, 37.1980,
18.8769


 21.5339, 37.1980,
18.8769


252.7808,
334.1670, 258.1684


 13.6295, 25.3608,
11.4055


 45.4590, 70.8772,
42.3599


 7.9434, 16.3461,
6.2227


 62.2105, 93.4880,
59.2086


 4.1103, 9.7694,
2.9100


 82.6416, 120.4589,
80.0200

 1.7647, 5.2463,
1.0488

 107.1179,
152.1741, 105.2128

 0.4963, 2.3925,
0.0000

 136.0046,
189.0181, 135.2055

 0.0000, 0.8220,
0.0000

169.6670,

 0.0000, 0.0000,

231.3754, 170.4166

0.0000

208.4707,
279.6302, 211.2648

■ 21.5339, 37.1980,
18.8769

■ 21.5339, 37.1980,
18.8769

■ 20.2568, 36.6027,
16.0166

■ 23.2682, 38.0220,
22.1723

■ 19.3817, 36.2048,
13.5697

■ 25.5009, 39.0924,
25.9180

■ 18.9519, 36.0144,
12.1423

■ 28.2714, 40.4302,
30.1315

■ 31.6141, 42.0529,
34.8286

■ 35.5605, 43.9765,
40.0244

■ 40.1400, 46.2157,
45.7331

■ 45.3796, 48.7842,
51.9687

■ 51.3051, 51.6951,
58.7441

■ 57.9405, 54.9604,
66.0723

Harmonies

Analogous

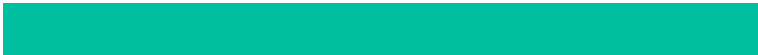
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.9077, 37.1980, 9.4212



21.5339, 37.1980, 18.8769



19.7183, 37.1980, 40.0002

Triad

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



21.5339, 37.1980, 18.8769



35.1798, 37.1980, 121.4852



54.3345, 37.1980, 19.4067

Complementary

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



21.5339, 37.1980, 18.8769



25.9384, 14.5680, 24.0006

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.



57.6287, 37.1980, 41.0085



21.5339, 37.1980, 18.8769



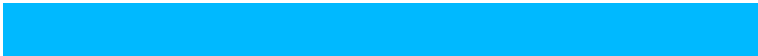
45.4089, 37.1980, 107.6041

Square

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



21.5339, 37.1980, 18.8769



26.6544, 37.1980, 106.6399



54.1004, 37.1980, 74.3948



45.7701, 37.1980, 9.6132

Rectangle

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



21.5339, 37.1980, 18.8769



20.4530, 37.1980, 61.1709



54.1004, 37.1980, 74.3948



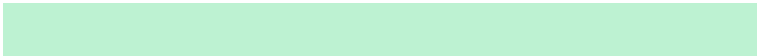
56.1578, 37.1980, 25.1086

Sweetspot

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



21.5348, 37.1995, 18.8777



64.3813, 79.0981, 72.5680



28.2560, 40.8807, 9.4195



13.7240, 17.1972, 15.3984



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.5348, 37.1995, 18.8777



35.2343, 65.0750, 25.8989



26.4391, 39.1612, 44.7034



9.5575, 10.7091, 10.9190



13.0906, 24.8265, 8.5398



0.5450, 0.9854, 0.5041

Inverse Universe

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



25.9384, 14.5680, 24.0006



43.4709, 22.3341, 35.1768



22.6180, 13.2399, 6.5156



9.7693, 9.6320, 11.1741



16.2750, 8.1412, 12.0078



0.6686, 0.3313, 0.6342

Previews

White Background



This preview shows how the XYZ color 21.5339, 37.1980, 18.8769 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 21.5339, 37.1980, 18.8769 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 21.5339, 37.1980, 18.8769

Background



This preview shows how black text looks on a background with the XYZ color 21.5339, 37.1980, 18.8769.



This preview shows how white text looks on a background with the XYZ color 21.5339, 37.1980,

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

21.5339, 37.1980, 18.8769

Protanopia

33.7080, 36.5862, 15.8749

Deuteranopia

37.2634, 36.5267, 20.1253



Tritanopia

28.6934, 37.0449, 54.9283

Trichromacy



Original Color

21.5339, 37.1980, 18.8769



Protanomaly

26.4259, 35.2736, 16.7250



Deuteranomaly

27.6808, 34.4709, 19.3820



Tritanomaly

25.3804, 36.8905, 38.5838

Monochromacy



Original Color

21.5339, 37.1980, 18.8769



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.1851, 27.9012, 23.3377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5339, 37.1980, 18.8769 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(50, 187, 103)` looks like.

```
.text, #text, p{  
    color:rgb(50, 187, 103)  
}
```

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(50, 187, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 187, 103) }
```

Border

The CSS property to change the border of an element to XYZ 21.5339, 37.1980, 18.8769 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(50, 187, 103) }
```


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

```
.border{ border-color:rgb(50, 187, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 187, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 187, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 187, 103);  
box-shadow:4px 4px 4px 4px rgb(50, 187,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5339, 37.1980, 18.8769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 187, 103) }
```

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

```
.background{ background-color: rgb(50, 187,  
103) }
```

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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