

Converting Colors

XYZ(21.1585, 37.6254, 20.1291)

Have a look what the booklet for
XYZ(21.1585, 37.6254, 20.1291)
contains.

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Color

**XYZ(21.1399, 37.6055,
20.0543)**

Conversions

Conversions Part 1

Format	Color
Hex	14BD6B
RGB	20, 189, 107
RGB Percent	8%, 74%, 42%
CMY	0.9216, 0.2588, 0.5804
CMYK	0.89, 0.00, 0.43, 0.26
HSL	151°, 81%, 41%
HSV	151°, 89%, 74%
XYZ	21.1399, 37.6055, 20.0543
YIQ	129.1210, -74.4020, -61.3300

Conversions

Conversions Part 2

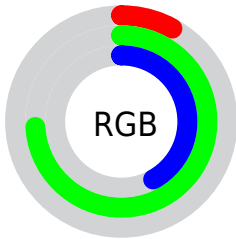
Format	Color
RYB	20, 132, 189
Decimal	1359211
CIELab	67.73, -57.96, 30.57
CIELCh	68, 65.526, 152.193
Yxy	37.6055, 0.2683, 0.4772
Android (android.graphics.Color)	4279549291 (0xFF14BD6B)
YUV	129.1210, -10.9057, -95.6991
Hunter-Lab	61.3233, -45.7818, 23.5370

Details

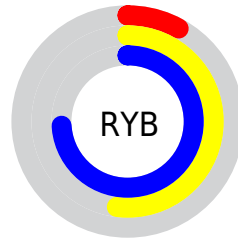
The XYZ color **21.1399, 37.6055, 20.0543** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.6358, 12.2791, 13.6959**, and the grayscale version is **20.9653, 22.0571, 24.0202**.

A 20% lighter version of the original color is **44.6933, 71.2395, 44.1959**, and **9.2888, 17.3557, 6.8634** is the 20% darker color. If you saturate the color by 10%, you get **20.4088, 37.2825, 17.6342**, and if you desaturate by 10%, it is **22.1939, 38.0911, 22.7584**.

Distribution



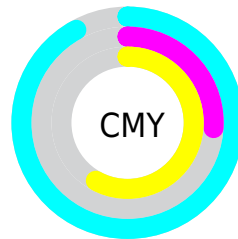
- Red (8%)
- Green (74%)
- Blue (42%)



- Red (8%)
- Yellow (52%)
- Blue (74%)



- Cyan (89%)
- Magenta (0%)
- Yellow (43%)
- Black (26%)





- Cyan (92%)
- Magenta (26%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1399, 37.6055, 20.0543 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 21.1399, 37.6055, 20.0543 by changing the saturation by 10% instead.


 21.1399, 37.6055,
20.0543


 21.1399, 37.6055,
20.0543


250.7387,
335.9246, 264.8229


 13.3393, 25.6767,
12.2501


 44.8098, 71.5031,
44.3684


 7.7412, 16.5819,
6.7896


 61.4098, 94.2406,
61.7153

 3.9802, 9.9368,
3.2544


 81.6737, 121.3498,
83.0801

 1.6910, 5.3571,
1.2260

 105.9668,
153.2150, 108.8815

 0.4506, 2.4583,
0.0000

 134.6545,
190.2207, 139.5379

 0.0000, 0.8556,
0.0000

168.1022,

 0.0000, 0.0000,

232.7513, 175.4679

0.0000

206.6751,
281.1911, 217.0901

■ 21.1399, 37.6055,
20.0543

■ 21.1399, 37.6055,
20.0543

■ 20.4088, 37.2825,
17.6342

■ 22.1939, 38.0911,
22.7584

■ 20.3698, 37.2653,
17.5011

■ 23.6556, 38.7798,
25.7558

■ 25.5742, 39.6978,
29.0574

■ 27.9907, 40.8661,
32.6722

■ 30.9415, 42.3032,
36.6091

■ 34.4593, 44.0259,
40.8764

■ 38.5741, 46.0494,
45.4821

■ 43.3136, 48.3881,
50.4338

■ 48.7041, 51.0551,
55.7389

Harmonies

Analogous

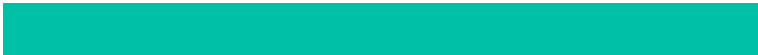
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.3416, 37.6055, 9.5652



21.1399, 37.6055, 20.0543



19.6046, 37.6055, 43.1165

Triad

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



21.1399, 37.6055, 20.0543



36.4929, 37.6055, 125.7544



54.8797, 37.6055, 17.8450

Complementary

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



21.1399, 37.6055, 20.0543



23.6358, 12.2791, 13.6959

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.



58.9404, 37.6055, 38.8496



21.1399, 37.6055, 20.0543



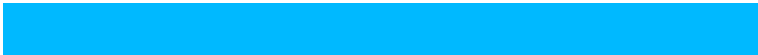
47.1509, 37.6055, 108.5766

Square

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



21.1399, 37.6055, 20.0543



27.4083, 37.6055, 112.7149



55.8770, 37.6055, 72.8531



45.6160, 37.6055, 8.7786

Rectangle

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



21.1399, 37.6055, 20.0543



20.5771, 37.6055, 65.8238



55.8770, 37.6055, 72.8531



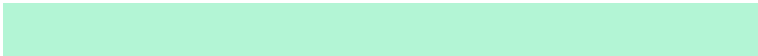
56.9697, 37.6055, 23.2899

Sweetspot

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



21.1409, 37.6070, 20.0552



63.0899, 79.5227, 74.7950



24.0922, 39.4205, 7.0011



13.0646, 16.8543, 15.5008



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.



21.1409, 37.6070, 20.0552



36.3591, 66.6907, 30.7015



27.6726, 40.2197, 54.4508



9.6083, 10.7294, 11.1866



13.7437, 25.0878, 11.9791



0.5713, 0.9959, 0.6427

Inverse Universe

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



23.6358, 12.2791, 13.6959



40.9030, 20.7032, 19.2240



21.3636, 11.3702, 1.7307



9.7178, 9.6114, 10.9031



15.4497, 7.8110, 7.6614



0.6382, 0.3192, 0.4742

Previews

White Background



This preview shows how the XYZ color 21.1399, 37.6055, 20.0543 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 21.1399, 37.6055, 20.0543 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 21.1399, 37.6055, 20.0543

Background



This preview shows how black text looks on a background with the XYZ color 21.1399, 37.6055, 20.0543.



This preview shows how white text looks on a background with the XYZ color 21.1399, 37.6055,

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

21.1399, 37.6055, 20.0543

Protanopia

34.0235, 36.9977, 16.6573

Deuteranopia

37.6572, 36.9538, 21.3677



Tritanopia

28.5302, 37.5130, 56.7760

Trichromacy



Original Color

21.1399, 37.6055, 20.0543



Protanomaly

25.1777, 34.8917, 17.7197



Deuteranomaly

26.4727, 34.3711, 20.5683



Tritanomaly

24.9233, 37.2325, 40.0554

Monochromacy



Original Color

21.1399, 37.6055, 20.0543



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.6376, 25.6375, 22.0554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1399, 37.6055, 20.0543 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(20, 189, 107)` looks like.

```
.text, #text, p{  
    color:rgb(20, 189, 107)  
}
```

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(20, 189, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 189, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.1399, 37.6055, 20.0543 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(20, 189, 107) }
```


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

```
.border{ border-color:rgb(20, 189, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 189, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 189, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 189, 107);  
box-shadow:4px 4px 4px 4px rgb(20, 189,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1399, 37.6055, 20.0543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 189, 107) }
```

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

```
.background{ background-color: rgb(20, 189,  
107) }
```

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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