

Converting Colors

XYZ(37.5139, 43.8184, 20.8420)

Have a look what the booklet for
XYZ(37.5139, 43.8184, 20.8420)
contains.

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Color

**XYZ(37.6197, 43.9071,
20.9602)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B66D
RGB	177, 182, 109
RGB Percent	69%, 71%, 43%
CMY	0.3059, 0.2863, 0.5725
CMYK	0.03, 0.00, 0.40, 0.29
HSL	64°, 33%, 57%
HSV	64°, 40%, 71%
XYZ	37.6197, 43.9071, 20.9602
YIQ	172.1830, 20.4530, -23.7630

Conversions

Conversions Part 2

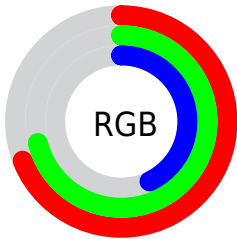
Format	Color
RYB	109, 182, 114
Decimal	11646573
CIELab	72.17, -12.92, 36.53
CIElCh	72, 38.747, 109.475
Yxy	43.9071, 0.3671, 0.4284
Android (android.graphics.Color)	4289836653 (0xFFB1B66D)
YUV	172.1830, -31.1492, 4.2245
Hunter-Lab	66.2624, -14.6180, 27.6290

Details

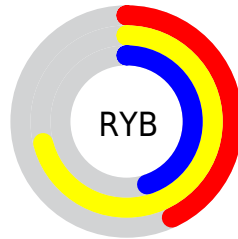
The XYZ color **37.6197, 43.9071, 20.9602** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.8532, 17.8932, 46.6132**, and the grayscale version is **39.4519, 41.5064, 45.2005**.

A 20% lighter version of the original color is **71.0278, 81.2501, 46.1217**, and **16.8081, 20.2272, 7.1560** is the 20% darker color. If you saturate the color by 10%, you get **36.4572, 43.4110, 16.3104**, and if you desaturate by 10%, it is **38.9899, 44.4897, 26.6804**.

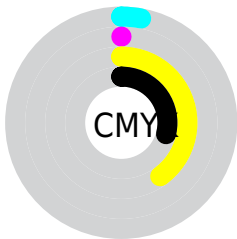
Distribution



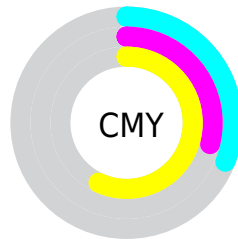
- Red (69%)
- Green (71%)
- Blue (43%)



- Red (43%)
- Yellow (71%)
- Blue (45%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6197, 43.9071, 20.9602 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 37.6197, 43.9071, 20.9602 by changing the saturation by 10% instead.

■ 37.6197, 43.9071,
20.9602

■ 37.6197, 43.9071,
20.9602

327.2949,
362.3290, 269.8410

■ 25.8635, 30.5975,
12.9040

■ 70.8325, 81.0779,
45.9012

■ 16.8537, 20.2925,
7.2325

■ 93.0199, 105.7079,
63.6231

■ 10.2249, 12.6079,
3.5273

■ 119.4150,
134.8802, 85.4039

■ 5.6117, 7.1591,
1.3698

■ 150.3833,
168.9791, 111.6622

■ 2.6489, 3.5618,
0.1180

186.2901,
208.3890, 142.8165

■ 0.9709, 1.4316,
0.0000

227.5007,

■ 0.0000, 0.2398,

253.4944, 179.2854

0.0000

274.3805,
304.6796, 221.4874

■ 0.0000, 0.0000,
0.0000

■ 37.6197, 43.9071,
20.9602

■ 37.6197, 43.9071,
20.9602

■ 36.4572, 43.4110,
16.3104

■ 38.9899, 44.4897,
26.6804

■ 35.4865, 42.9903,
12.6619

■ 40.5760, 45.1575,
33.5290

■ 34.6946, 42.6415,
9.9416


■ 42.3899, 45.9166,
41.5632


■ 34.0656, 42.3581,
8.0656


■ 44.4414, 46.7711,
50.8353


■ 33.5807, 42.1326,
6.9348


■ 46.7400, 47.7247,
61.3948

 33.2044, 41.9512,
6.3473

 49.2946, 48.7810,
73.2881

 52.1134, 49.9434,
86.5595

 55.2046, 51.2150,
101.2515

 55.5746, 51.3984,
101.5995

Harmonies

Analogous

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



44.1079, 43.9071, 20.1196



37.6197, 43.9071, 20.9602



32.7620, 43.9071, 27.7698

Triad

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



37.6197, 43.9071, 20.9602



33.9753, 43.9071, 81.3275



55.5827, 43.9071, 54.8013

Complementary

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



37.6197, 43.9071, 20.9602



20.8532, 17.8932, 46.6132

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.



52.2067, 43.9071, 75.7139



37.6197, 43.9071, 20.9602



39.4437, 43.9071, 93.5103

Square

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



37.6197, 43.9071, 20.9602



30.8175, 43.9071, 61.0605



46.1344, 43.9071, 91.2202



54.9610, 43.9071, 36.6258

Rectangle

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



37.6197, 43.9071, 20.9602



30.8829, 43.9071, 36.1008



46.1344, 43.9071, 91.2202



54.8648, 43.9071, 61.8052

Sweetspot

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



37.6208, 43.9091, 20.9611



76.1249, 82.9395, 72.1186



28.0555, 23.0550, 17.4400



16.7168, 18.2783, 15.4977



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.6208, 43.9091, 20.9611



66.3464, 78.8083, 30.5581



30.4122, 40.1929, 20.6238



9.6878, 10.4712, 9.6174



23.4701, 29.6356, 4.4832



0.8457, 1.0542, 0.1589

Inverse Universe

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



20.8532, 17.8932, 46.6132



31.8094, 25.2032, 83.4239



26.5588, 20.8346, 46.8802



8.5766, 8.7481, 11.3160



6.0963, 2.4540, 31.4054



0.2343, 0.0965, 1.1080

Previews

White Background



This preview shows how the XYZ color 37.6197, 43.9071, 20.9602 looks on a white background.

Color Contrast Check

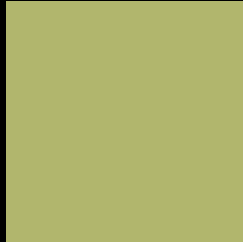
Large Text (above 18pt) WCAG AA × Fail

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 37.6197, 43.9071, 20.9602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

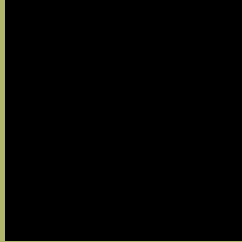
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6197, 43.9071, 20.9602

Background



This preview shows how black text looks on a background with the XYZ color 37.6197, 43.9071, 20.9602.



This preview shows how white text looks on a background with the XYZ color 37.6197, 43.9071,

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

37.6197, 43.9071, 20.9602

Protanopia

40.3683, 43.8433, 20.2449

Deuteranopia

44.5532, 43.6919, 21.4144



Tritanopia

44.0562, 43.8714, 52.6004

Trichromacy



Original Color

37.6197, 43.9071, 20.9602

Protanomaly

39.3204, 43.8877, 20.5861

Deuteranomaly

41.8247, 43.6992, 21.2693

Tritanomaly

41.2253, 43.5866, 38.5880

Monochromacy



Original Color

37.6197, 43.9071, 20.9602

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.4057, 42.2193, 34.5587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6197, 43.9071, 20.9602 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(177, 182, 109)` looks like.

```
.text, #text, p{  
    color:rgb(177, 182, 109)  
}
```

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(177, 182, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 182, 109) }
```

Border

The CSS property to change the border of an element to XYZ 37.6197, 43.9071, 20.9602 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(177, 182, 109) }
```


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

```
.border{ border-color:rgb(177, 182, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 182, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 182, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 182, 109);  
box-shadow:4px 4px 4px 4px rgb(177, 182,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6197, 43.9071, 20.9602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 182, 109) }
```

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

```
.background{ background-color: rgb(177,  
182, 109) }
```

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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