Converting Colors

XYZ(33.7165, 39.1272, 5.7753)

Have a look what the booklet for XYZ(33.7165, 39.1272, 5.7753) contains.

XYZ(33.6190, 38.9496, 5.7461) 3
Conversions 4
Details 6
Harmonies 12
Previews 24
Color Blindness Simulation 28
CSS Examples 31

Color

XYZ(33.6190, 38.9496, 5.7461)

Conversions

Conversions Part 1

Format	Color
Hex	B5AB00
RGB	181, 171, 0
RGB Percent	71%, 67%, 0%
CMY	0.2902, 0.3294, 0.9999
CMYK	0.00, 0.06, 1.00, 0.29
HSL	57°, 100%, 35%
HSV	57°, 100%, 71%
XYZ	33.6190, 38.9496, 5.7461
YIQ	154.4960, 60.8510, -51.0610

Conversions

Conversions Part 2

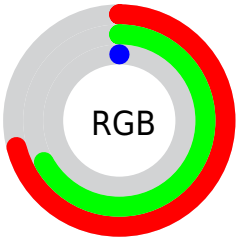
Format	Color
RYB	11, 181, 0
Decimal	11905792
CIELab	68.71, -11.54, 71.04
CIELCh	69, 71.973, 99.230
Yxy	38.9496, 0.4293, 0.4973
Android (android.graphics.Color)	4290095872 (0xFFB5AB00)
YUV	154.4960, -76.1665, 23.2440
Hunter-Lab	62.4096, -13.0619, 38.2279

Details

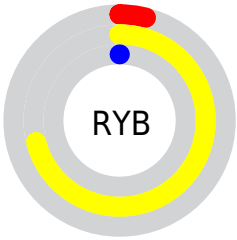
The XYZ color 33.6190, 38.9496, 5.7461 is a dark color, and the websafe version is hex 999900. A complement of this color would be 8.4493, 3.5536, 43.9564, and the grayscale version is 31.2415, 32.8684, 35.7937.

A 20% lighter version of the original color is 64.8115, 73.6293, 17.8171, and 14.7652, 17.4046, 2.5812 is the 20% darker color. If you saturate the color by 10%, you get 33.6196, 38.9511, 5.7464, and if you desaturate by 10%, it is 33.9195, 39.3745, 6.3896.

Distribution

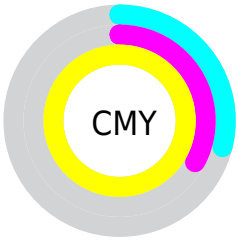


- Red (71%)
- Green (67%)
- Blue (0%)



- Red (4%)
- Yellow (71%)
- Blue (0%)

- Cyan (0%)
- Magenta (6%)
- Yellow (100%)
- Black (29%)



- Cyan (29%)
- Magenta (33%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6190, 38.9496, 5.7461 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 33.6190, 38.9496, 5.7461 by changing the saturation by 10% instead.

33.6190, 38.9496, 5.7461

33.6190, 38.9496, 5.7461

310.0457, 341.6762, 166.0099

22.7626, 26.7205, 2.6250

64.6890, 73.5613, 17.8701

14.5380, 17.3634, 0.9053

85.6332, 96.7127, 27.7100

8.5800, 10.4940, 0.0000

110.6708, 124.2738, 40.6267

4.5232, 5.7277, 0.0000

140.1670, 156.6287, 57.0387

2.0022, 2.6802, 0.0000

174.4873, 194.1621, 77.3644

0.6352, 0.9672, 0.0000

213.9969,

0.0000, 0.0000,

237.2581, 102.0225

0.0000

259.0613, 286.3014, 131.4315

33.6190, 38.9496, 5.7461

33.6190, 38.9496, 5.7461

33.6196, 38.9511, 5.7464

33.9195, 39.3745, 6.3896

34.3220, 39.8411, 7.5675

34.8660, 40.3665, 9.4829

35.5698, 40.9582, 12.2333

36.4493, 41.6224, 15.9012

37.5182, 42.3647, 20.5596

38.7889, 43.1901, 26.2738

40.2729, 44.1031, 33.1037

41.9807, 45.1079, 41.1048

Harmonies

Analogous

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

45.3386, 38.9496, 6.6505

33.6190, 38.9496, 5.7461

24.8300, 38.9496, 10.0243

Triad

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

33.6190, 38.9496, 5.7461

22.5207, 38.9496, 95.6995

61.4926, 38.9496, 68.7531

Complementary

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

33.6190, 38.9496, 5.7461

8.4493, 3.5536, 43.9564

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.

52.6625, 38.9496, 111.8684

33.6190, 38.9496, 5.7461

29.7875, 38.9496, 132.1855

Square

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

33.6190, 38.9496, 5.7461

19.3442, 38.9496, 53.2813

40.6439, 38.9496, 139.2702

63.1043, 38.9496, 33.1274

Rectangle

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

33.6190, 38.9496, 5.7461

21.2168, 38.9496, 17.7419

40.6439, 38.9496, 139.2702

59.1951, 38.9496, 83.2483

Sweetspot

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

33.6199, 38.9514, 5.7469

69.3455, 77.2740, 46.4867

19.1230, 9.8508, 1.2439

14.7761, 16.5659, 9.0883

86.6293, 91.1408, 99.2523

17.0014, 17.8868, 19.4787

Same Dimension

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

33.6199, 38.9514, 5.7469

60.1560, 69.6482, 10.2729

22.0686, 35.9060, 5.7679

9.1561, 9.8246, 9.0663

23.1938, 26.8861, 3.9671

0.7419, 0.8701, 0.1289

Inverse Universe

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

8.4493, 3.5536, 43.9564

15.0810, 6.2618, 78.7084

11.5189, 4.9750, 44.0689

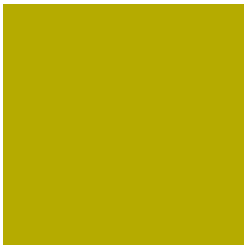
8.0784, 8.3030, 10.6832

5.8415, 2.4833, 30.3084

0.1962, 0.1029, 0.9578

Previews

White Background

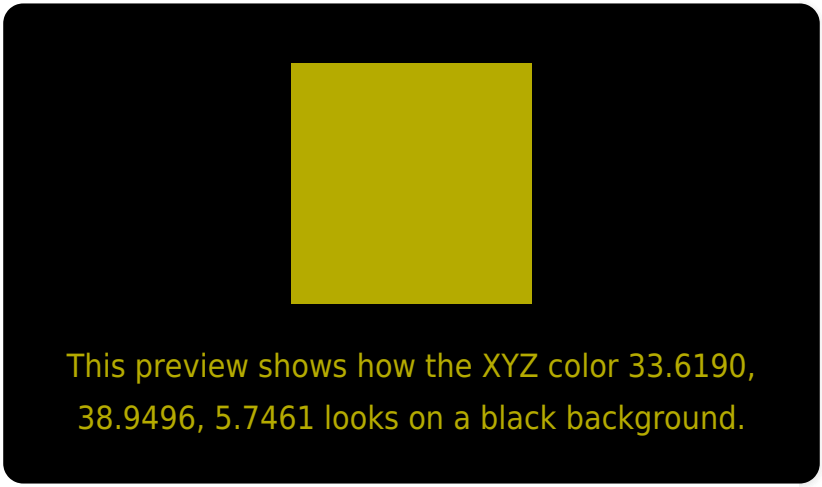


This preview shows how the XYZ color 33.6190, 38.9496, 5.7461 looks on a white background.

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



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 33.6190, 38.9496, 5.7461

Background

This preview shows how black text looks on a background with the XYZ color 33.6190, 38.9496, 5.7461.

This preview shows how white text looks on a background with the XYZ color 33.6190, 38.9496,

5.7461.

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
33.6190, 38.9496, 5.7461

Protanopia
34.9889, 38.8241, 5.6497

Deuteranopia
39.7144, 38.8593, 6.2716

Tritanopia
41.4871, 38.9430, 43.8582

Trichromacy

Original Color
33.6190, 38.9496, 5.7461

Protanomaly
34.4377, 38.8150, 5.6770

Deuteranomaly
37.2708, 38.6464, 5.9471

Tritanomaly
36.5965, 37.9899, 19.8719

Monochromacy

Original Color
33.6190, 38.9496, 5.7461

Achromatopsia
31.1553, 32.7778, 35.6950

Achromatomaly
30.3068, 34.2831, 16.8243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6190, 38.9496, 5.7461 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(181, 171, 0) looks like.

```
.text, #text, p{
    color:rgb(181, 171, 0)
}
```

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(181, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.6190, 38.9496, 5.7461 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(181, 171, 0) }
```

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

```
.border{ border-color:rgb(181, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 171, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 171, 0); box-shadow:4px 4px 4px 4px rgb(181, 171, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6190, 38.9496, 5.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(181, 171, 0) }
```

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

```
.background{ background-color:rgb(181, 171, 0) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor