

Converting Colors

XYZ(36.1932, 39.5015, 12.4286)

Have a look what the booklet for
XYZ(36.1932, 39.5015, 12.4286)
contains.

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Color

**XYZ(36.1970, 39.5753,
12.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	BCA94B
RGB	188, 169, 75
RGB Percent	74%, 66%, 29%
CMY	0.2627, 0.3372, 0.7059
CMYK	0.00, 0.10, 0.60, 0.26
HSL	50°, 46%, 52%
HSV	50°, 60%, 74%
XYZ	36.1970, 39.5753, 12.3876
YIQ	163.9650, 41.4980, -25.2060

Conversions

Conversions Part 2

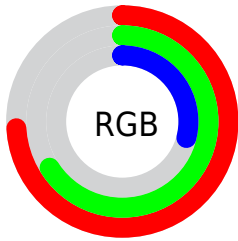
Format	Color
R_{YB}	98, 188, 75
Decimal	12364107
CIE Lab	69.17, -4.67, 49.93
CIE LCh	69, 50.145, 95.347
Yxy	39.5753, 0.4106, 0.4489
Android (android.graphics.Color)	4290554187 (0xFFBCA94B)
YUV	163.9650, -43.8597, 21.0787
Hunter-Lab	62.9089, -7.3839, 32.3612

Details

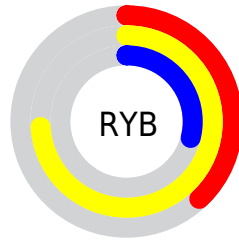
The XYZ color **36.1970, 39.5753, 12.3876** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.9814, 13.1317, 49.2691**, and the grayscale version is **35.4591, 37.3058, 40.6260**.

A 20% lighter version of the original color is **68.4925, 74.4364, 30.8364**, and **16.0218, 17.6860, 3.3284** is the 20% darker color. If you saturate the color by 10%, you get **35.0657, 38.1949, 9.2916**, and if you desaturate by 10%, it is **37.5345, 41.0639, 16.4911**.

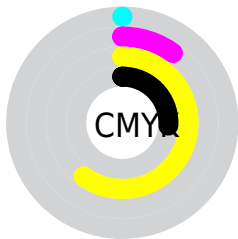
Distribution



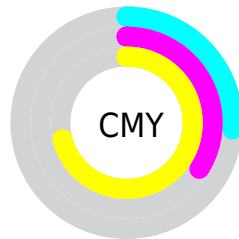
- Red (74%)
- Green (66%)
- Blue (29%)



- Red (38%)
- Yellow (74%)
- Blue (29%)



- Cyan (0%)
- Magenta (10%)
- Yellow (60%)
- Black (26%)



- Cyan (26%)
- Magenta (34%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1970, 39.5753, 12.3876 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 36.1970, 39.5753, 12.3876 by changing the saturation by 10% instead.

■ 36.1970, 39.5753,
12.3876

■ 36.1970, 39.5753,
12.3876

321.2370,
344.3303, 218.0229

■ 24.7572, 27.2076,
6.8825

■ 68.6579, 74.5164,
30.8740

■ 16.0240, 17.7292,
3.3114

■ 90.4097, 97.8585,
44.6923

■ 9.6321, 10.7557,
1.2557

■ 116.3296,
125.6275, 62.1189

■ 5.2161, 5.9028,
0.0251

■ 146.7828,
158.2079, 83.5721

■ 2.4107, 2.7861,
0.0000

■ 182.1349,
195.9839, 109.4706

■ 0.8504, 1.0211,
0.0000

222.7510,

■ 0.0000, 0.0000,

239.3401, 140.2328

0.0000

268.9966,
288.6607, 176.2774

■ 36.1970, 39.5753,
12.3876

■ 36.1970, 39.5753,
12.3876

■ 35.0657, 38.1949,
9.2916

■ 37.5345, 41.0639,
16.4911

■ 34.1205, 36.9100,
7.1096

■ 39.0906, 42.6614,
21.6799

■ 33.3416, 35.7140,
5.7347

■ 40.8802, 44.3754,
28.0267

■ 32.6942, 34.6018,
4.9556

■ 42.9158, 46.2109,
35.5974

■ 45.2090, 48.1729,
44.4528

■ 47.7708, 50.2657,
54.6498

■ 50.6113, 52.4937,
66.2417

■ 53.7402, 54.8609,
79.2790

■ 57.1667, 57.3711,
93.8098

Harmonies

Analogous

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



44.4184, 39.5753, 14.1328



36.1970, 39.5753, 12.3876



29.3836, 39.5753, 16.1809

Triad

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



36.1970, 39.5753, 12.3876



26.3908, 39.5753, 74.0085



53.4360, 39.5753, 64.2533

Complementary

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



36.1970, 39.5753, 12.3876



15.9814, 13.1317, 49.2691

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.



47.2562, 39.5753, 90.0613



36.1970, 39.5753, 12.3876



31.5446, 39.5753, 96.9545

Square

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



36.1970, 39.5753, 12.3876



24.2602, 39.5753, 47.3366



39.0698, 39.5753, 103.6843



55.1448, 39.5753, 39.1067

Rectangle

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



36.1970, 39.5753, 12.3876



26.3064, 39.5753, 22.5474



39.0698, 39.5753, 103.6843



51.7736, 39.5753, 73.3829

Sweetspot

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



36.1979, 39.5772, 12.3884



78.4961, 84.3773, 67.2449



25.3536, 16.5632, 12.8593



16.6334, 17.9288, 13.5232



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.



36.1979, 39.5772, 12.3884



62.9907, 68.4890, 15.4560



32.2428, 43.1707, 13.2905



10.1821, 10.8401, 10.1323



22.3071, 23.6529, 3.3898



0.9106, 1.0001, 0.1450

Inverse Universe

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



15.9814, 13.1317, 49.2691



23.2567, 16.5966, 88.2039



18.1218, 12.0289, 48.9434



9.1427, 9.4776, 12.0197



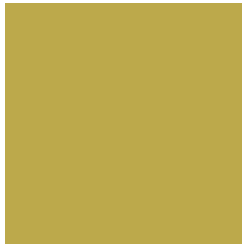
6.5625, 3.2366, 32.6718



0.2979, 0.2085, 1.2934

Previews

White Background



This preview shows how the XYZ color 36.1970, 39.5753, 12.3876 looks on a white background.

Color Contrast Check

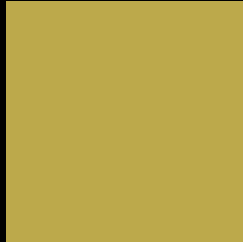
Large Text (above 18pt) WCAG AA × Fail

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 36.1970, 39.5753, 12.3876 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 36.1970, 39.5753, 12.3876

Background



This preview shows how black text looks on a background with the XYZ color 36.1970, 39.5753, 12.3876.



This preview shows how white text looks on a background with the XYZ color 36.1970, 39.5753,

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

36.1970, 39.5753, 12.3876

Protanopia

36.1970, 39.5753, 12.3876

Deuteranopia

40.3789, 39.5809, 12.5329



Tritanopia

42.7748, 39.6069, 43.9185

Trichromacy



Original Color

36.1970, 39.5753, 12.3876

Protanomaly

36.1970, 39.5753, 12.3876

Deuteranomaly

38.6674, 39.4902, 12.4219

Tritanomaly

39.7893, 39.4413, 28.8084

Monochromacy



Original Color

36.1970, 39.5753, 12.3876

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.0347, 37.8226, 27.2838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1970, 39.5753, 12.3876 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(188, 169, 75)` looks like.

```
.text, #text, p{  
    color:rgb(188, 169, 75)  
}
```

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(188, 169, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 169, 75) }
```

Border

The CSS property to change the border of an element to XYZ 36.1970, 39.5753, 12.3876 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(188, 169, 75) }
```


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

```
.border{ border-color:rgb(188, 169, 75) }
```

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

Here you see how a box with a 4 pixel rgb(188, 169, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 169, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 169, 75);  
box-shadow:4px 4px 4px 4px rgb(188, 169,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1970, 39.5753, 12.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 169, 75) }
```

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

```
.background{ background-color: rgb(188,  
169, 75) }
```

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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