

Converting Colors

XYZ(36.0032, 39.1304, 24.3171)

Have a look what the booklet for
XYZ(36.0032, 39.1304, 24.3171)
contains.

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Color

**XYZ(36.1232, 39.2710,
24.4150)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A97B
RGB	178, 169, 123
RGB Percent	70%, 66%, 48%
CMY	0.3020, 0.3372, 0.5176
CMYK	0.00, 0.05, 0.31, 0.30
HSL	50°, 26%, 59%
HSV	50°, 31%, 70%
XYZ	36.1232, 39.2710, 24.4150
YIQ	166.4470, 20.1300, -12.3980

Conversions

Conversions Part 2

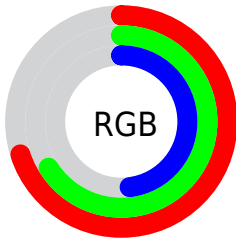
Format	Color
R_{YB}	134, 178, 123
Decimal	11708795
CIE _{Lab}	68.95, -3.98, 24.96
CIE _{LCh}	69, 25.270, 99.052
Yxy	39.2710, 0.3619, 0.3935
Android (android.graphics.Color)	4289898875 (0xFFB2A97B)
YUV	166.4470, -21.4194, 10.1320
Hunter-Lab	62.6666, -6.7729, 20.7671

Details

The XYZ color **36.1232, 39.2710, 24.4150** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.4553, 23.9271, 45.4490**, and the grayscale version is **36.5565, 38.4603, 41.8832**.

A 20% lighter version of the original color is **68.4238, 73.9383, 51.7395**, and **16.0548, 17.5770, 9.0251** is the 20% darker color. If you saturate the color by 10%, you get **34.5735, 37.7955, 18.8920**, and if you desaturate by 10%, it is **37.8896, 40.8553, 31.0108**.

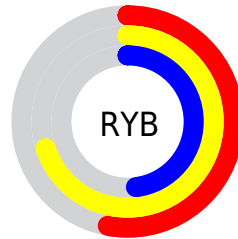
Distribution



Red (70%)

Green (66%)

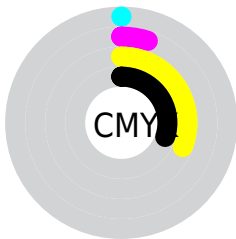
Blue (48%)



Red (53%)

Yellow (70%)

Blue (48%)

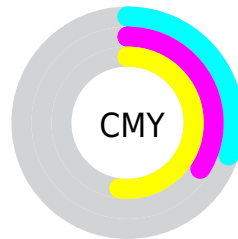


Cyan (0%)

Magenta (5%)

Yellow (31%)

Black (30%)



Cyan (30%)

Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1232, 39.2710, 24.4150 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 36.1232, 39.2710, 24.4150 by changing the saturation by 10% instead.

■ 36.1232, 39.2710,
24.4150

■ 36.1232, 39.2710,
24.4150

320.9206,
343.0413, 288.2658

■ 24.6999, 26.9706,
15.4267

■ 68.5448, 74.0521,
51.6589

■ 15.9812, 17.5512,
8.9695

■ 90.2738, 97.3017,
70.7515

■ 9.6016, 10.6282,
4.6247

■ 116.1688,
124.9697, 94.0494

■ 5.1958, 5.8174,
1.9740

146.5951,
157.4406, 121.9710

■ 2.3986, 2.7344,
0.5392

181.9181,
195.0989, 154.9349

■ 0.8444, 0.9947,
0.0000

222.5031,

■ 0.0000, 0.0000,

238.3288, 193.3597

0.0000

268.7155,
287.5148, 237.6637

■ 36.1232, 39.2710,
24.4150

■ 36.1232, 39.2710,
24.4150

■ 34.5735, 37.7955,
18.8920

■ 37.8896, 40.8553,
31.0108

■ 33.2264, 36.4188,
14.3814

■ 39.8800, 42.5471,
38.7304

■ 32.0709, 35.1378,
10.8206


■ 42.1048, 44.3523,
47.6246


■ 31.0934, 33.9470,
8.1390


■ 44.5731, 46.2746,
57.7403


■ 30.2786, 32.8400,
6.2564


■ 47.2934, 48.3174,
69.1219


 29.6084, 31.8095,
5.0775

 50.2738, 50.4842,
81.8115

 29.0897, 30.9242,
4.4358

 53.5218, 52.7781,
95.8494

 55.3246, 54.5139,
102.2141

 55.9715, 55.8077,
102.4297

Harmonies

Analogous

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



40.1576, 39.2710, 25.2413



36.1232, 39.2710, 24.4150



32.6656, 39.2710, 27.7718

Triad

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



36.1232, 39.2710, 24.4150



31.6403, 39.2710, 58.2743



45.0184, 39.2710, 51.1705

Complementary

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



36.1232, 39.2710, 24.4150



24.4553, 23.9271, 45.4490

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.



42.4096, 39.2710, 62.3530



36.1232, 39.2710, 24.4150



34.6306, 39.2710, 66.9388

Square

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



36.1232, 39.2710, 24.4150



30.2024, 39.2710, 46.3370



38.5550, 39.2710, 68.5523



45.4898, 39.2710, 39.3710

Rectangle

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



36.1232, 39.2710, 24.4150



31.0826, 39.2710, 32.3575



38.5550, 39.2710, 68.5523



44.3538, 39.2710, 55.1812

Sweetspot

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



36.1242, 39.2728, 24.4158



72.9918, 77.7120, 72.8897



29.6196, 25.3018, 25.2127



16.0478, 17.1151, 15.6604



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.



36.1242, 39.2728, 24.4158



63.5715, 69.3921, 37.3157



33.9264, 40.7102, 24.8091



9.0764, 9.6653, 9.0397



20.8529, 22.2044, 3.1868



0.6876, 0.7616, 0.1108

Inverse Universe

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



24.4553, 23.9271, 45.4490



39.0722, 37.1804, 81.4984



26.1605, 23.0727, 45.1942



8.1506, 8.4473, 10.7072



6.0979, 2.9962, 30.3939



0.2262, 0.1629, 0.9678

Previews

White Background



This preview shows how the XYZ color 36.1232, 39.2710, 24.4150 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 36.1232, 39.2710, 24.4150 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

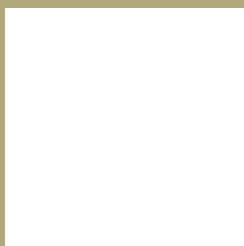
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1232, 39.2710, 24.4150

Background



This preview shows how black text looks on a background with the XYZ color 36.1232, 39.2710, 24.4150.



This preview shows how white text looks on a background with the XYZ color 36.1232, 39.2710,

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

36.1232, 39.2710, 24.4150

Protanopia

36.6338, 39.2591, 24.3858

Deuteranopia

39.9997, 39.1125, 24.8433



Tritanopia

40.4254, 39.1262, 45.9789

Trichromacy



Original Color

36.1232, 39.2710, 24.4150

Protanomaly

36.4002, 39.1386, 24.3749

Deuteranomaly

38.3994, 39.0825, 24.5886

Tritanomaly

38.7473, 39.2557, 36.9874

Monochromacy



Original Color

36.1232, 39.2710, 24.4150

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.9013, 38.3855, 34.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1232, 39.2710, 24.4150 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(178, 169, 123)` looks like.

```
.text, #text, p{  
    color:rgb(178, 169, 123)  
}
```

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(178, 169, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 169, 123) }
```

Border

The CSS property to change the border of an element to XYZ 36.1232, 39.2710, 24.4150 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(178, 169, 123) }
```


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

```
.border{ border-color:rgb(178, 169, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 169, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 169, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 169, 123);  
box-shadow:4px 4px 4px 4px rgb(178, 169,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1232, 39.2710, 24.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 169, 123) }
```

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

```
.background{ background-color: rgb(178,  
169, 123) }
```

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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