

Converting Colors

XYZ(32.1796, 34.2594, 23.0060)

Have a look what the booklet for
XYZ(32.1796, 34.2594, 23.0060)
contains.

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Color

**XYZ(32.2556, 34.3802,
23.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9E79
RGB	170, 158, 121
RGB Percent	67%, 62%, 47%
CMY	0.3333, 0.3804, 0.5255
CMYK	0.00, 0.07, 0.29, 0.33
HSL	45°, 22%, 57%
HSV	45°, 29%, 67%
XYZ	32.2556, 34.3802, 23.0252
YIQ	157.3700, 19.0290, -8.9630

Conversions

Conversions Part 2

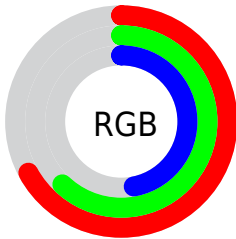
Format	Color
RYB	137, 170, 121
Decimal	11181689
CIELab	65.26, -1.51, 20.95
CIELCh	65, 21.009, 94.131
Yxy	34.3802, 0.3598, 0.3834
Android (android.graphics.Color)	4289371769 (0xFFAA9E79)
YUV	157.3700, -17.9304, 11.0765
Hunter-Lab	58.6346, -4.4157, 17.7617

Details

The XYZ color **32.2556, 34.3802, 23.0252** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.5283, 23.7417, 41.3729**, and the grayscale version is **32.2875, 33.9690, 36.9922**.

A 20% lighter version of the original color is **62.7983, 66.8132, 49.6308**, and **13.7635, 14.7652, 8.2554** is the 20% darker color. If you saturate the color by 10%, you get **30.6060, 32.6047, 17.7774**, and if you desaturate by 10%, it is **34.1148, 36.2804, 29.2501**.

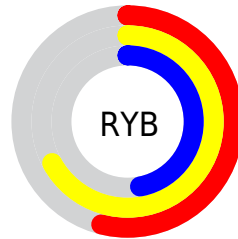
Distribution



Red (67%)

Green (62%)

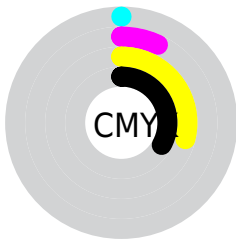
Blue (47%)



Red (54%)

Yellow (67%)

Blue (47%)

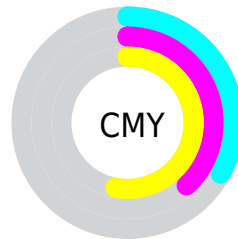


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (33%)



Cyan (33%)

Magenta (38%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2556, 34.3802, 23.0252 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 32.2556, 34.3802, 23.0252 by changing the saturation by 10% instead.

■ 32.2556, 34.3802,
23.0252

■ 32.2556, 34.3802,
23.0252

304.0066,
321.8240, 280.9805

■ 21.7133, 23.1858,
14.4066

■ 62.5741, 66.5245,
49.3584

■ 13.7618, 14.7308,
8.2621

■ 83.0809, 88.2432,
67.9102

■ 8.0358, 8.6307,
4.1729

■ 107.6401,
114.2388, 90.6101

■ 4.1698, 4.5011,
1.7207

136.6168,
144.8957, 117.8766

■ 1.7987, 1.9576,
0.3748

170.3764,
180.5982, 150.1284

■ 0.5169, 0.5827,
0.0000

209.2844,

■ 0.0000, 0.0000,

221.7309, 187.7840

0.0000

253.7060,
268.6780, 231.2618

■ 32.2556, 34.3802,
23.0252

■ 32.2556, 34.3802,
23.0252

■ 30.6060, 32.6047,
17.7774

■ 34.1148, 36.2804,
29.2501

■ 29.1534, 30.9450,
13.4536

■ 36.1901, 38.3046,
36.4972

■ 27.8879, 29.3979,
9.9991

■ 38.4910, 40.4583,
44.8111

■ 26.7978, 27.9581,
7.3524

■ 41.0255, 42.7450,
54.2334

■ 25.8694, 26.6201,
5.4439

■ 43.8013, 45.1681,
64.8034

■ 25.0871, 25.3770,
4.1922

■ 46.8257, 47.7310,
76.5583

■ 24.4218, 24.2168,
3.4446

■ 50.1057, 50.4367,
89.5338

■ 24.3465, 24.0838,
3.3654

■ 53.3239, 53.1587,
102.0579

■ 54.2464, 55.0037,
102.3654

Harmonies

Analogous

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



35.3105, 34.3802, 24.2346



32.2556, 34.3802, 23.0252



29.4880, 34.3802, 25.1538

Triad

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



32.2556, 34.3802, 23.0252



28.0479, 34.3802, 47.6998



38.2587, 34.3802, 45.2726

Complementary

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



32.2556, 34.3802, 23.0252



23.5283, 23.7417, 41.3729

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.



36.0887, 34.3802, 53.1748



32.2556, 34.3802, 23.0252



30.1784, 34.3802, 54.7225

Square

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



32.2556, 34.3802, 23.0252



27.1566, 34.3802, 38.6604



33.1028, 34.3802, 56.8670



38.8998, 34.3802, 36.2342

Rectangle

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



32.2556, 34.3802, 23.0252



28.1404, 34.3802, 28.4089



33.1028, 34.3802, 56.8670



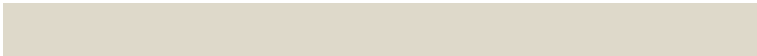
37.6775, 34.3802, 48.1932

Sweetspot

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



32.2565, 34.3818, 23.0259



65.5281, 69.3707, 65.7410



27.6662, 23.9216, 25.4406



14.4886, 15.3506, 14.2199



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.2565, 34.3818, 23.0259



56.4460, 60.1621, 35.1042



31.8776, 37.3739, 23.6234



7.9890, 8.4580, 8.0008



17.9548, 17.8068, 2.4907



0.4733, 0.5062, 0.0728

Inverse Universe

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



23.5283, 23.7417, 41.3729



37.8366, 37.4833, 74.2427



23.8059, 21.5844, 40.9418



7.2755, 7.5878, 9.4995



5.9746, 3.4094, 28.3187



0.1841, 0.1604, 0.7019

Previews

White Background



This preview shows how the XYZ color 32.2556, 34.3802, 23.0252 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 32.2556, 34.3802, 23.0252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

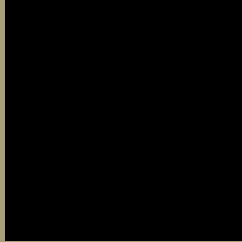
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2556, 34.3802, 23.0252

Background



This preview shows how black text looks on a background with the XYZ color 32.2556, 34.3802, 23.0252.



This preview shows how white text looks on a background with the XYZ color 32.2556, 34.3802,

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

32.2556, 34.3802, 23.0252

Protanopia

32.0402, 34.2692, 23.0151

Deuteranopia

34.9908, 34.3007, 23.1888



Tritanopia

35.6083, 34.2508, 39.8563

Trichromacy



Original Color

32.2556, 34.3802, 23.0252

Protanomaly

32.0402, 34.2692, 23.0151

Deuteranomaly

33.8908, 34.2196, 23.2312

Tritanomaly

34.1345, 34.1336, 32.8063

Monochromacy



Original Color

32.2556, 34.3802, 23.0252

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9913, 33.8089, 31.2252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2556, 34.3802, 23.0252 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(170, 158, 121)` looks like.

```
.text, #text, p{  
    color:rgb(170, 158, 121)  
}
```

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(170, 158, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 158, 121) }
```

Border

The CSS property to change the border of an element to XYZ 32.2556, 34.3802, 23.0252 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(170, 158, 121) }
```


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

```
.border{ border-color:rgb(170, 158, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 158, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 158, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 158, 121);  
box-shadow:4px 4px 4px 4px rgb(170, 158,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2556, 34.3802, 23.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 158, 121) }
```

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

```
.background{ background-color: rgb(170,  
158, 121) }
```

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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