

Converting Colors

XYZ(30.3435, 32.0840, 23.7438)

Have a look what the booklet for
XYZ(30.3435, 32.0840, 23.7438)
contains.

XYZ(30.3392, 32.1302, 23.6715)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3392, 32.1302,
23.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	A4997C
RGB	164, 153, 124
RGB Percent	64%, 60%, 49%
CMY	0.3569, 0.4000, 0.5137
CMYK	0.00, 0.07, 0.24, 0.36
HSL	44°, 18%, 56%
HSV	44°, 24%, 64%
XYZ	30.3392, 32.1302, 23.6715
YIQ	152.9830, 15.8650, -6.6870

Conversions

Conversions Part 2

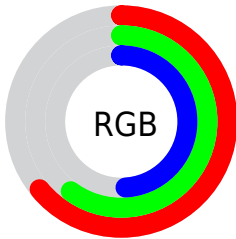
Format	Color
RYB	139, 164, 124
Decimal	10787196
CIELab	63.45, -0.75, 16.72
CIELCh	63, 16.741, 92.560
Yxy	32.1302, 0.3522, 0.3730
Android (android.graphics.Color)	4288977276 (0xFFA4997C)
YUV	152.9830, -14.2886, 9.6619
Hunter-Lab	56.6835, -3.6561, 14.9185

Details

The XYZ color **30.3392, 32.1302, 23.6715** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.6769, 24.2929, 38.5633**, and the grayscale version is **30.3269, 31.9063, 34.7460**.

A 20% lighter version of the original color is **59.4621, 62.8600, 50.5942**, and **12.7035, 13.4555, 8.5842** is the 20% darker color. If you saturate the color by 10%, you get **28.6633, 30.3024, 18.4146**, and if you desaturate by 10%, it is **32.2172, 34.0857, 29.8476**.

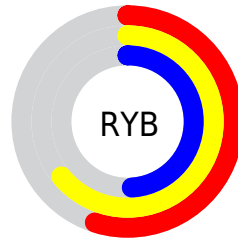
Distribution



Red (64%)

Green (60%)

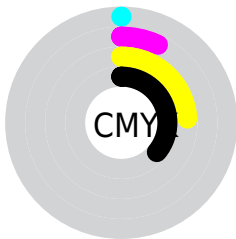
Blue (49%)



Red (55%)

Yellow (64%)

Blue (49%)

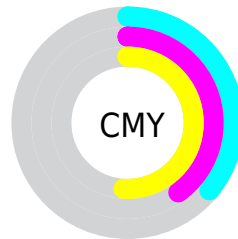


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (36%)



Cyan (36%)

Magenta (40%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3392, 32.1302, 23.6715 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 30.3392, 32.1302, 23.6715 by changing the saturation by 10% instead.

■ 30.3392, 32.1302,
23.6715

■ 30.3392, 32.1302,
23.6715

295.3639,
311.7119, 284.3883

■ 20.2455, 21.4610,
14.8802

■ 59.5811, 63.0151,
50.4307

■ 12.6830, 13.4614,
8.5896

■ 79.4601, 83.9996,
69.2356

■ 7.2861, 7.7470,
4.3814

■ 103.3316,
109.1914, 92.2156

■ 3.6896, 3.9335,
1.8368

131.5610,
138.9747, 119.7890

■ 1.5281, 1.6364,
0.4521

164.5135,
173.7340, 152.3744

■ 0.3448, 0.3820,
0.0000

202.5546,

■ 0.0000, 0.0000,

213.8537, 190.3904

0.0000

246.0496,
259.7182, 234.2555

■ 30.3392, 32.1302,
23.6715

■ 30.3392, 32.1302,
23.6715

■ 28.6633, 30.3024,
18.4146

■ 32.2172, 34.0857,
29.8476

■ 27.1782, 28.5939,
14.0298

■ 34.3029, 36.1683,
36.9827

■ 25.8752, 27.0018,
10.4691

■ 36.6051, 38.3831,
45.1169

■ 24.7436, 25.5216,
7.6787

■ 39.1310, 40.7333,
54.2871

■ 23.7720, 24.1479,
5.5987

■ 41.8875, 43.2224,
64.5286

■ 22.9467, 22.8748,
4.1599

■ 44.8813, 45.8532,
75.8749

■ 22.2518, 21.6955,
3.2791

■ 48.1187, 48.6290,
88.3581

■ 21.8965, 21.0657,
2.9120

■ 51.5734, 51.5394,
101.8376

■ 52.5589, 53.5104,
102.1661

Harmonies

Analogous

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



32.6495, 32.1302, 24.7910



30.3392, 32.1302, 23.6715



28.1914, 32.1302, 25.2492

Triad

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



30.3392, 32.1302, 23.6715



26.9175, 32.1302, 42.3512



34.6884, 32.1302, 41.2341

Complementary

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



30.3392, 32.1302, 23.6715



23.6769, 24.2929, 38.5633

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.



33.0130, 32.1302, 46.9465



30.3392, 32.1302, 23.6715



28.5211, 32.1302, 47.6469

Square

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



30.3392, 32.1302, 23.6715



26.2796, 32.1302, 35.5603



30.7393, 32.1302, 49.4259



35.2350, 32.1302, 34.4146

Rectangle

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



30.3392, 32.1302, 23.6715



27.1191, 32.1302, 27.7518



30.7393, 32.1302, 49.4259



34.2345, 32.1302, 43.3755

Sweetspot

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



30.3400, 32.1316, 23.6722



61.1885, 64.5910, 63.4006



26.9146, 24.0669, 26.2722



13.3308, 14.0751, 13.7016



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



30.3400, 32.1316, 23.6722



53.4583, 56.5842, 37.8453



30.4955, 35.0081, 24.2192



7.4840, 7.9064, 7.5117



16.8303, 16.2345, 2.2465



0.3899, 0.4135, 0.0593

Inverse Universe

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



23.6769, 24.2929, 38.5633



39.3450, 39.9838, 69.3963



23.5292, 22.0556, 38.1393



6.8516, 7.1622, 8.9244



5.8953, 3.5700, 27.3081



0.1612, 0.1497, 0.5863

Previews

White Background



This preview shows how the XYZ color 30.3392, 32.1302, 23.6715 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 30.3392, 32.1302, 23.6715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

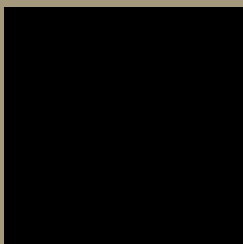
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

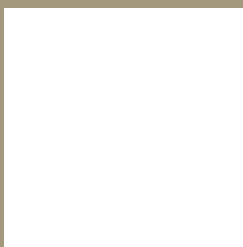
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3392, 32.1302, 23.6715

Background



This preview shows how black text looks on a background with the XYZ color 30.3392, 32.1302, 23.6715.



This preview shows how white text looks on a background with the XYZ color 30.3392, 32.1302,

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

30.3392, 32.1302, 23.6715

Protanopia

30.1336, 32.0242, 23.6619

Deuteranopia

32.6517, 32.1255, 23.8819



Tritanopia

33.0835, 32.0427, 37.6989

Trichromacy



Original Color

30.3392, 32.1302, 23.6715

Protanomaly

30.1336, 32.0242, 23.6619

Deuteranomaly

31.8416, 32.1776, 23.9347

Tritanomaly

32.1092, 32.1348, 32.1141

Monochromacy



Original Color

30.3392, 32.1302, 23.6715

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1783, 31.9036, 30.1586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3392, 32.1302, 23.6715 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(164, 153, 124)` looks like.

```
.text, #text, p{  
    color:rgb(164, 153, 124)  
}
```

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(164, 153, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 153, 124) }
```

Border

The CSS property to change the border of an element to XYZ 30.3392, 32.1302, 23.6715 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(164, 153, 124) }
```


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

```
.border{ border-color:rgb(164, 153, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 153, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 153, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 153, 124);  
box-shadow:4px 4px 4px 4px rgb(164, 153,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3392, 32.1302, 23.6715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 153, 124) }
```

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

```
.background{ background-color: rgb(164,  
153, 124) }
```

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