

Converting Colors

XYZ(32.3345, 32.5774, 10.0528)

Have a look what the booklet for
XYZ(32.3345, 32.5774, 10.0528)
contains.

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Color

**XYZ(32.2844, 32.4770,
10.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9544
RGB	187, 149, 68
RGB Percent	73%, 58%, 27%
CMY	0.2667, 0.4157, 0.7333
CMYK	0.00, 0.20, 0.64, 0.27
HSL	41°, 47%, 50%
HSV	41°, 64%, 73%
XYZ	32.2844, 32.4770, 10.0360
YIQ	151.1280, 48.6490, -17.1350

Conversions

Conversions Part 2

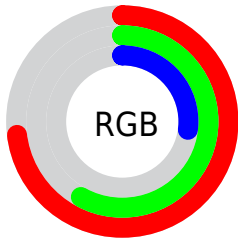
Format	Color
RYB	124, 187, 68
Decimal	12293444
CIELab	63.74, 5.18, 47.13
CIELCh	64, 47.414, 83.732
Yxy	32.4770, 0.4316, 0.4342
Android (android.graphics.Color)	4290483524 (0xFFBB9544)
YUV	151.1280, -40.9821, 31.4597
Hunter-Lab	56.9886, 1.3913, 29.4507

Details

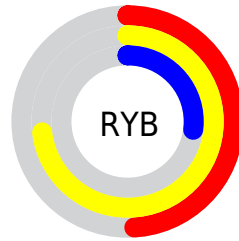
The XYZ color **32.2844, 32.4770, 10.0360** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.5075, 15.1245, 49.0629**, and the grayscale version is **29.6264, 31.1693, 33.9433**.

A 20% lighter version of the original color is **62.6917, 63.6366, 26.4316**, and **13.7540, 13.7040, 2.3722** is the 20% darker color. If you saturate the color by 10%, you get **30.8818, 30.4442, 7.1880**, and if you desaturate by 10%, it is **33.9189, 34.6826, 13.8599**.

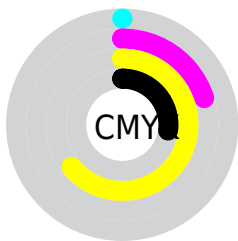
Distribution



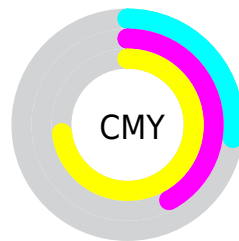
- Red (73%)
- Green (58%)
- Blue (27%)



- Red (49%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (64%)
- Black (27%)





- Cyan (27%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2844, 32.4770, 10.0360 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 32.2844, 32.4770, 10.0360 by changing the saturation by 10% instead.


 32.2844, 32.4770,
10.0360


 32.2844, 32.4770,
10.0360


304.1351,
313.2864, 201.4230

 21.7354, 21.7261,
5.3169


 62.6189, 63.5581,
26.4721

 13.7781, 13.6558,
2.3724


 83.1351, 84.6571,
39.0261

 8.0472, 7.8816,
0.7714


 107.7044,
109.9743, 55.0289

 4.1772, 4.0193,
0.0000

 136.6921,
139.8941, 74.8990

 1.8029, 1.6844,
0.0000

 170.4637,
174.8007, 99.0549

 0.5194, 0.4135,
0.0000

209.3845,

 0.0000, 0.0000,

215.0788, 127.9152

0.0000

253.8199,
261.1125, 161.8983

■ 32.2844, 32.4770,
10.0360

■ 32.2844, 32.4770,
10.0360

■ 30.8818, 30.4442,
7.1880

■ 33.9189, 34.6826,
13.8599

■ 29.6903, 28.5709,
5.2189

■ 35.7995, 37.0640,
18.7406

■ 28.6880, 26.8485,
4.0150

■ 37.9416, 39.6297,
24.7524

■ 28.1206, 25.8191,
3.5015

■ 40.3586, 42.3862,
31.9625

■ 43.0627, 45.3394,
40.4328

■ 46.0657, 48.4950,
50.2208

■ 49.3783, 51.8583,
61.3807

■ 53.0107, 55.4346,
73.9633

■ 56.9728, 59.2286,
88.0170

Harmonies

Analogous

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



39.0596, 32.4770, 13.3049



32.2844, 32.4770, 10.0360



26.0069, 32.4770, 11.3296

Triad

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



32.2844, 32.4770, 10.0360



20.5879, 32.4770, 52.2258



42.3571, 32.4770, 61.7229

Complementary

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



32.2844, 32.4770, 10.0360



16.5075, 15.1245, 49.0629

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.



36.3008, 32.4770, 80.5448



32.2844, 32.4770, 10.0360



23.9108, 32.4770, 73.8253

Square

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



32.2844, 32.4770, 10.0360



19.8310, 32.4770, 31.5157



29.4944, 32.4770, 85.6255



45.3888, 32.4770, 39.5091

Rectangle

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



32.2844, 32.4770, 10.0360



22.8523, 32.4770, 14.9651



29.4944, 32.4770, 85.6255



40.5691, 32.4770, 68.9364

Sweetspot

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



32.2852, 32.4786, 10.0366



74.3138, 78.1587, 63.5268



25.2499, 15.7750, 15.8091



16.0654, 16.8817, 13.0599



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.



32.2852, 32.4786, 10.0366



54.5006, 53.2875, 11.4347



34.7854, 44.1917, 12.1657



10.0584, 10.5928, 10.0911



19.4428, 17.9243, 2.4350



0.8181, 0.8152, 0.1142

Inverse Universe

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



16.5075, 15.1245, 49.0629



24.1702, 20.0347, 86.7946



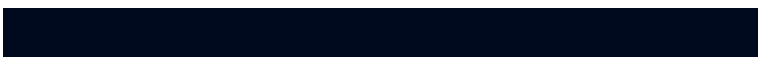
15.0459, 9.7891, 48.1101



9.2585, 9.7093, 12.0583



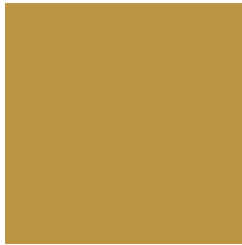
7.3414, 4.7946, 32.9314



0.3481, 0.3089, 1.3101

Previews

White Background



This preview shows how the XYZ color 32.2844, 32.4770, 10.0360 looks on a white background.

Color Contrast Check

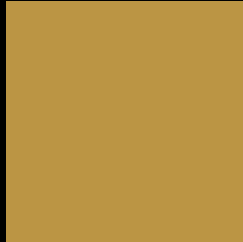
Large Text (above 18pt) WCAG AA × Fail

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 32.2844, 32.4770, 10.0360 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 32.2844, 32.4770, 10.0360

Background



This preview shows how black text looks on a background with the XYZ color 32.2844, 32.4770, 10.0360.



This preview shows how white text looks on a background with the XYZ color 32.2844, 32.4770,

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

32.2844, 32.4770, 10.0360

Protanopia

29.8401, 32.6555, 10.5248

Deuteranopia

32.9938, 32.3735, 10.1400



Tritanopia

37.2121, 32.4599, 33.5822

Trichromacy



Original Color

32.2844, 32.4770, 10.0360

Protanomaly

30.5969, 32.5592, 10.3022

Deuteranomaly

32.8993, 32.5566, 10.1803

Tritanomaly

34.7595, 32.1018, 22.4534

Monochromacy



Original Color

32.2844, 32.4770, 10.0360

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.6674, 31.0857, 22.5257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2844, 32.4770, 10.0360 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(187, 149, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 149, 68)  
}
```

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(187, 149, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 149, 68) }
```

Border

The CSS property to change the border of an element to XYZ 32.2844, 32.4770, 10.0360 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(187, 149, 68) }
```


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

```
.border{ border-color:rgb(187, 149, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 149, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 149, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 149, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 149,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2844, 32.4770, 10.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 149, 68) }
```

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

```
.background{ background-color: rgb(187,  
149, 68) }
```

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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