

Converting Colors

XYZ(28.5141, 25.0394, 3.3302)

Have a look what the booklet for
XYZ(28.5141, 25.0394, 3.3302)
contains.

XYZ(28.4454, 24.9954, 3.3254)	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(28.4454, 24.9954,
3.3254)**

Conversions

Conversions Part 1

Format	Color
Hex	BF7A00
RGB	191, 122, 0
RGB Percent	75%, 48%, 0%
CMY	0.2510, 0.5215, 1.0000
CMYK	0.00, 0.36, 1.00, 0.25
HSL	38°, 100%, 37%
HSV	38°, 100%, 75%
XYZ	28.4454, 24.9954, 3.3254
YIQ	128.7230, 80.2860, -23.3140

Conversions

Conversions Part 2

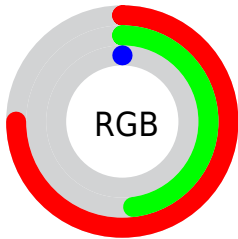
Format	Color
R_{YB}	108, 191, 0
Decimal	12548608
CIE Lab	57.07, 19.49, 63.47
CIE LCh	57, 66.392, 72.932
Yxy	24.9954, 0.5011, 0.4403
Android (android.graphics.Color)	4290738688 (0xFFBF7A00)
YUV	128.7230, -63.4604, 54.6169
Hunter-Lab	49.9954, 14.0675, 31.0532

Details

The XYZ color **28.4454, 24.9954, 3.3254** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.5324, 8.0183, 50.2297**, and the grayscale version is **20.9656, 22.0574, 24.0205**.

A 20% lighter version of the original color is **56.6875, 51.5721, 12.4355**, and **11.8983, 9.6706, 1.2395** is the 20% darker color. If you saturate the color by 10%, you get **28.4455, 24.9958, 3.3254**, and if you desaturate by 10%, it is **29.4420, 26.7992, 4.2420**.

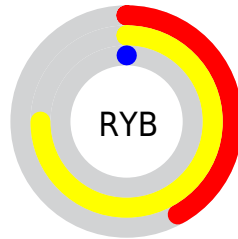
Distribution



Red (75%)

Green (48%)

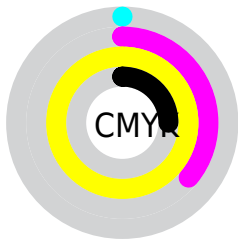
Blue (0%)



Red (42%)

Yellow (75%)

Blue (0%)

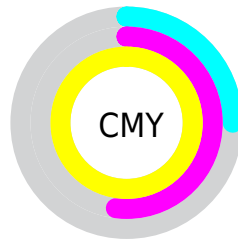


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4454, 24.9954, 3.3254 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 28.4454, 24.9954, 3.3254 by changing the saturation by 10% instead.

■ 28.4454, 24.9954,
3.3254

■ 28.4454, 24.9954,
3.3254

286.6308,
277.8150, 140.4029

■ 18.8038, 16.0736,
1.2631

■ 56.5984, 51.6498,
12.4213

■ 11.6318, 9.5763,
0.0313

■ 75.8407, 70.1511,
20.2921

■ 6.5639, 5.1189,
0.0000

■ 99.0138, 92.6145,
30.9360

■ 3.2348, 2.3172,
0.0000

■ 126.4832,
119.4243, 44.7717

■ 1.2791, 0.7828,
0.0000

■ 158.6142,
150.9648, 62.2177


■ 0.1675, 0.0000,
0.0000


■ 195.7723,


■ 0.0000, 0.0000,


187.6205, 83.6926


0.0000


 238.3227,
229.7758, 109.6148


 28.4454, 24.9954,
3.3254


 28.4454, 24.9954,
3.3254


 28.4455, 24.9958,
3.3254

 29.4420, 26.7992,
4.2420

 30.6157, 28.7710,
5.7912

 32.0101, 30.9311,
8.1947

 33.6478, 33.2904,
11.5646

 35.5477, 35.8583,
15.9961

■ 37.7268, 38.6432,
21.5725

■ 40.2002, 41.6528,
28.3691

■ 42.9821, 44.8946,
36.4546

■ 46.0853, 48.3752,
45.8924

Harmonies

Analogous

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



36.5423, 24.9954, 7.1696



28.4454, 24.9954, 3.3254



20.5512, 24.9954, 3.1314

Triad

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



28.4454, 24.9954, 3.3254



11.9169, 24.9954, 38.0254



35.5302, 24.9954, 72.4371

Complementary

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



28.4454, 24.9954, 3.3254



11.5324, 8.0183, 50.2297

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.



27.2808, 24.9954, 94.3785



28.4454, 24.9954, 3.3254



14.3678, 24.9954, 68.3014

Square

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



28.4454, 24.9954, 3.3254



12.0949, 24.9954, 16.4397



19.6150, 24.9954, 92.5492



41.2081, 24.9954, 41.8985

Rectangle

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



28.4454, 24.9954, 3.3254



16.4900, 24.9954, 4.7206



19.6150, 24.9954, 92.5492



32.8968, 24.9954, 81.6576

Sweetspot

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



28.4460, 24.9967, 3.3259



71.7744, 74.3329, 50.1735



22.5925, 11.5192, 6.8335



15.3337, 15.8084, 9.8264



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.4460, 24.9967, 3.3259



50.7075, 44.2902, 5.8763



34.2591, 45.3181, 6.9419



10.0245, 10.5250, 10.0798



18.7727, 16.5841, 2.2116



0.7953, 0.7696, 0.1066

Inverse Universe

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



11.5324, 8.0183, 50.2297



20.4445, 13.9408, 89.8924



9.8167, 3.9745, 49.5396



9.2911, 9.7744, 12.0692



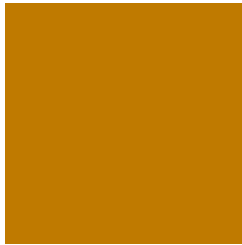
7.6489, 5.4095, 33.0339



0.3624, 0.3374, 1.3149

Previews

White Background



This preview shows how the XYZ color 28.4454, 24.9954, 3.3254 looks on a white background.

Color Contrast Check

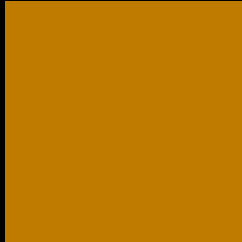
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4454, 24.9954, 3.3254 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 × Fail

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

XYZ 28.4454, 24.9954, 3.3254

Background



This preview shows how black text looks on a background with the XYZ color 28.4454, 24.9954, 3.3254.



This preview shows how white text looks on a background with the XYZ color 28.4454, 24.9954,

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

28.4454, 24.9954, 3.3254

Protanopia

22.6853, 25.1772, 4.0795

Deuteranopia

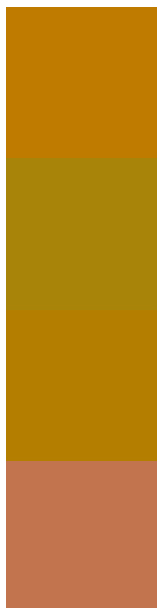
25.4382, 24.9639, 3.4778



Tritanopia

32.1829, 24.9512, 21.5322

Trichromacy



Original Color

28.4454, 24.9954, 3.3254

Protanomaly

24.4490, 24.8471, 3.7658

Deuteranomaly

26.4118, 24.8820, 3.4107

Tritanomaly

29.8687, 24.5102, 10.3644

Monochromacy



Original Color

28.4454, 24.9954, 3.3254

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.9327, 22.2063, 11.1129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4454, 24.9954, 3.3254 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(191, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 122, 0)  
}
```

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(191, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.4454, 24.9954, 3.3254 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(191, 122, 0) }
```


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

```
.border{ border-color:rgb(191, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4454, 24.9954, 3.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 122, 0) }
```

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

```
.background{ background-color: rgb(191,  
122, 0) }
```

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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