

Converting Colors

XYZ(27.7603, 25.4032, 2.9423)

Have a look what the booklet for
XYZ(27.7603, 25.4032, 2.9423)
contains.

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Color

**XYZ(27.9544, 25.4865,
3.4460)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7E00
RGB	187, 126, 0
RGB Percent	73%, 49%, 0%
CMY	0.2667, 0.5059, 1.0000
CMYK	0.00, 0.33, 1.00, 0.27
HSL	40°, 100%, 37%
HSV	40°, 100%, 73%
XYZ	27.9544, 25.4865, 3.4460
YIQ	129.8750, 76.8020, -26.2540

Conversions

Conversions Part 2

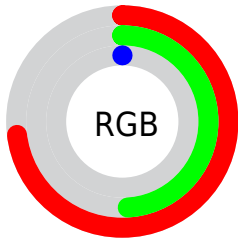
Format	Color
R_{YB}	91, 187, 0
Decimal	12287488
CIE Lab	57.55, 15.50, 63.54
CIE LCh	58, 65.405, 76.290
Yxy	25.4865, 0.4914, 0.4480
Android (android.graphics.Color)	4290477568 (0xFFBB7E00)
YUV	129.8750, -64.0284, 50.0986
Hunter-Lab	50.4842, 10.4929, 31.2918

Details

The XYZ color **27.9544, 25.4865, 3.4460** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.6385, 6.9256, 47.7895**, and the grayscale version is **21.3751, 22.4882, 24.4897**.

A 20% lighter version of the original color is **55.8749, 52.6140, 12.6794**, and **11.5560, 9.8969, 1.3012** is the 20% darker color. If you saturate the color by 10%, you get **27.9546, 25.4871, 3.4461**, and if you desaturate by 10%, it is **28.8740, 27.1418, 4.3202**.

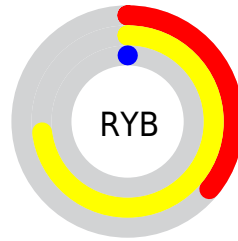
Distribution



Red (73%)

Green (49%)

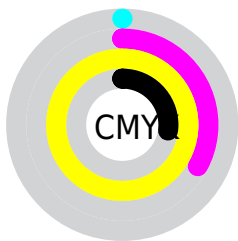
Blue (0%)



Red (36%)

Yellow (73%)

Blue (0%)

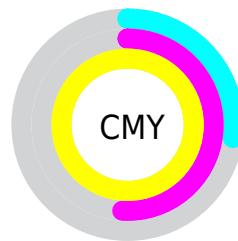


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9544, 25.4865, 3.4460 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 27.9544, 25.4865, 3.4460 by changing the saturation by 10% instead.

■ 27.9544, 25.4865,
3.4460

■ 27.9544, 25.4865,
3.4460

284.3330,
280.2522, 141.8528

■ 18.4316, 16.4399,
1.3266

■ 55.8208, 52.4454,
12.7105

■ 11.3618, 9.8360,
0.0835

■ 74.8950, 71.1264,
20.6926

■ 6.3798, 5.2903,
0.0000

■ 97.8838, 93.7877,
31.4661

■ 3.1202, 2.4186,
0.0000

■ 125.1525,
120.8137, 45.4495

■ 1.2177, 0.8354,
0.0000

■ 157.0664,
152.5888, 63.0614


■ 0.1202, 0.0000,
0.0000


■ 193.9909,


■ 0.0000, 0.0000,


189.4972, 84.7202


0.0000


 236.2913,
231.9236, 110.8445


 27.9544, 25.4865,
3.4460


 27.9544, 25.4865,
3.4460


 27.9546, 25.4871,
3.4461

 28.8740, 27.1418,
4.3202

 29.9516, 28.9366,
5.7907

 31.2293, 30.8901,
8.0716

 32.7277, 33.0119,
11.2691

 34.4649, 35.3104,
15.4733

■ 36.4565, 37.7929,
20.7632

■ 38.7166, 40.4665,
27.2101

■ 41.2584, 43.3373,
34.8791

■ 44.0940, 46.4114,
43.8304

Harmonies

Analogous

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



36.1322, 25.4865, 6.8455



27.9544, 25.4865, 3.4460



20.2572, 25.4865, 3.5720

Triad

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



27.9544, 25.4865, 3.4460



12.4944, 25.4865, 41.6218



36.7589, 25.4865, 69.2552

Complementary

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



27.9544, 25.4865, 3.4460



10.6385, 6.9256, 47.7895

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.



28.6779, 25.4865, 92.7408



27.9544, 25.4865, 3.4460



15.2703, 25.4865, 71.8009

Square

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



27.9544, 25.4865, 3.4460



12.3823, 25.4865, 18.7666



20.8414, 25.4865, 93.8637



41.9053, 25.4865, 39.2227

Rectangle

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



27.9544, 25.4865, 3.4460



16.3894, 25.4865, 5.5344



20.8414, 25.4865, 93.8637



34.2262, 25.4865, 78.7459

Sweetspot

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



27.9550, 25.4878, 3.4465



69.1322, 72.2333, 48.1185



21.3723, 10.9164, 5.5869



14.8354, 15.4525, 9.4718



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.



27.9550, 25.4878, 3.4465



49.8421, 45.1981, 6.0971



31.4485, 42.5918, 6.5638



10.0528, 10.5816, 10.0892



19.3290, 17.6969, 2.3971



0.8143, 0.8076, 0.1130

Inverse Universe

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



10.6385, 6.9256, 47.7895



18.8619, 12.0205, 85.5275



9.5400, 3.8820, 47.2599



9.2638, 9.7200, 12.0601



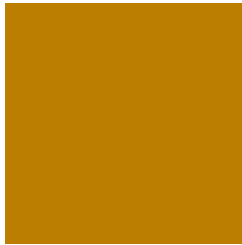
7.3891, 4.8899, 32.9473



0.3504, 0.3135, 1.3109

Previews

White Background



This preview shows how the XYZ color 27.9544, 25.4865, 3.4460 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 27.9544, 25.4865, 3.4460 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 27.9544, 25.4865, 3.4460

Background



This preview shows how black text looks on a background with the XYZ color 27.9544, 25.4865, 3.4460.



This preview shows how white text looks on a background with the XYZ color 27.9544, 25.4865,

3.4460.

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

27.9544, 25.4865, 3.4460

Protanopia

23.0093, 25.5597, 4.0686

Deuteranopia

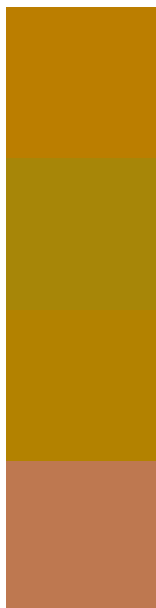
25.9305, 25.6165, 3.5778



Tritanopia

31.8654, 25.4354, 22.9687

Trichromacy



Original Color

27.9544, 25.4865, 3.4460

Protanomaly

24.5053, 25.2832, 3.8183

Deuteranomaly

26.5730, 25.5490, 3.5309

Tritanomaly

29.3996, 24.9593, 10.8575

Monochromacy



Original Color

27.9544, 25.4865, 3.4460

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.1741, 22.9044, 11.4359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9544, 25.4865, 3.4460 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 126, 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(187, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 126, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9544, 25.4865, 3.4460 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, 126, 0) }
```


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

```
.border{ border-color:rgb(187, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(187, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 126,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9544, 25.4865, 3.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 126, 0) }
```

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

```
.background{ background-color: rgb(187,  
126, 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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