

Converting Colors

XYZ(24.6766, 32.6757, 4.5066)

Have a look what the booklet for
XYZ(24.6766, 32.6757, 4.5066)
contains.

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Color

**XYZ(24.7828, 32.7499,
5.0152)**

Conversions

Conversions Part 1

Format	Color
Hex	8FA500
RGB	143, 165, 0
RGB Percent	56%, 65%, 0%
CMY	0.4392, 0.3529, 0.9999
CMYK	0.13, 0.00, 1.00, 0.35
HSL	68°, 100%, 32%
HSV	68°, 100%, 65%
XYZ	24.7828, 32.7499, 5.0152
YIQ	139.6120, 39.8530, -55.9790

Conversions

Conversions Part 2

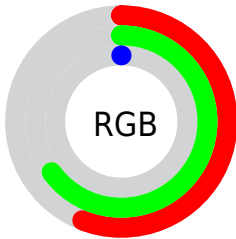
Format	Color
RYB	0, 165, 22
Decimal	9413888
CIELab	63.96, -25.22, 66.17
CIELCh	64, 70.809, 110.863
Yxy	32.7499, 0.3962, 0.5236
Android (android.graphics.Color)	4287603968 (0xFF8FA500)
YUV	139.6120, -68.8287, 2.9713
Hunter-Lab	57.2275, -22.8474, 34.8633

Details

The XYZ color **24.7828, 32.7499, 5.0152** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.1234, 2.8879, 35.7813**, and the grayscale version is **25.0257, 26.3290, 28.6723**.

A 20% lighter version of the original color is **50.6826, 63.9738, 16.3335**, and **9.9296, 13.8850, 2.1567** is the 20% darker color. If you saturate the color by 10%, you get **24.7831, 32.7512, 5.0154**, and if you desaturate by 10%, it is **25.2657, 32.9887, 5.5465**.

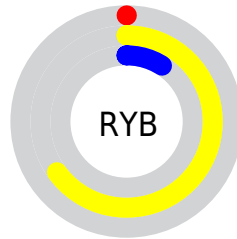
Distribution



Red (56%)

Green (65%)

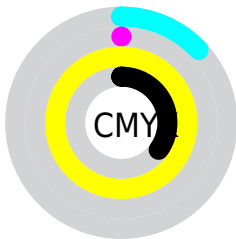
Blue (0%)



Red (0%)

Yellow (65%)

Blue (9%)

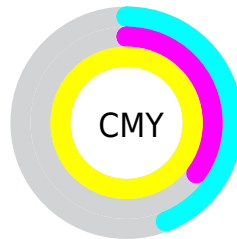


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (44%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7828, 32.7499, 5.0152 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 24.7828, 32.7499, 5.0152 by changing the saturation by 10% instead.

■ 24.7828, 32.7499,
5.0152

■ 24.7828, 32.7499,
5.0152

269.1222,
314.5213, 158.9173

■ 16.0432, 21.9349,
2.1973

■ 50.7501, 63.9849,
16.2906

■ 9.6458, 13.8091,
0.6728

■ 68.7084, 85.1736,
25.5852

■ 5.2252, 7.9880,
0.0000

■ 90.4704, 110.5891,
37.8758

■ 2.4161, 4.0873,
0.0000

■ 116.4014,
140.6158, 53.5809

■ 0.8531, 1.7225,
0.0000

■ 146.8667,
175.6379, 73.1191

■ 0.0000, 0.4382,
0.0000

■ 182.2317,

■ 0.0000, 0.0000,

216.0399, 96.9088

0.0000

222.8617,
262.2062, 125.3687

24.7828, 32.7499,
5.0152

24.7828, 32.7499,
5.0152

24.7831, 32.7512,
5.0154

25.2657, 32.9887,
5.5465

25.8352, 33.2618,
6.4986

26.5257, 33.5842,
8.0477

27.3517, 33.9617,
10.2707

28.3256, 34.3992,
13.2332

■ 29.4586, 34.9012,
16.9930

■ 30.7606, 35.4717,
21.6022

■ 32.2405, 36.1143,
27.1083

■ 33.9069, 36.8324,
33.5555

Harmonies

Analogous

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



34.2749, 32.7499, 4.2698



24.7828, 32.7499, 5.0152



18.4919, 32.7499, 11.0062

Triad

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



24.7828, 32.7499, 5.0152



20.5205, 32.7499, 97.5120



54.1725, 32.7499, 45.1155

Complementary

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



24.7828, 32.7499, 5.0152



7.1234, 2.8879, 35.7813

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.



48.5065, 32.7499, 82.7989



24.7828, 32.7499, 5.0152



28.1794, 32.7499, 122.0703

Square

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



24.7828, 32.7499, 5.0152



16.4214, 32.7499, 59.0253



38.4727, 32.7499, 115.5892



52.7179, 32.7499, 19.4518

Rectangle

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



24.7828, 32.7499, 5.0152



16.2927, 32.7499, 20.5087



38.4727, 32.7499, 115.5892



52.9992, 32.7499, 56.8757

Sweetspot

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



24.7835, 32.7514, 5.0159



54.9482, 63.4633, 38.1824



15.8052, 8.5742, 0.8224



11.8029, 13.7826, 7.5945



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.



24.7835, 32.7514, 5.0159



44.2575, 58.5874, 8.9759



15.3505, 27.8885, 4.5744



7.5561, 8.1892, 7.5625



18.7779, 24.7908, 3.7954



0.4186, 0.5333, 0.0809

Inverse Universe

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



7.1234, 2.8879, 35.7813



12.6577, 5.1202, 64.0735



12.5602, 5.6907, 36.0357



6.7843, 6.9031, 8.8779



5.4140, 2.1975, 27.0686



0.1378, 0.0585, 0.5699

Previews

White Background



This preview shows how the XYZ color 24.7828, 32.7499, 5.0152 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 24.7828, 32.7499, 5.0152 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 24.7828, 32.7499, 5.0152

Background



This preview shows how black text looks on a background with the XYZ color 24.7828, 32.7499, 5.0152.



This preview shows how white text looks on a background with the XYZ color 24.7828, 32.7499,

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

24.7828, 32.7499, 5.0152

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.1490, 32.5534, 5.6349



Tritanopia

31.8931, 32.5670, 40.2024

Trichromacy



Original Color

24.7828, 32.7499, 5.0152

Protanomaly

27.5024, 32.5828, 4.8396

Deuteranomaly

29.5693, 32.3850, 5.2647

Tritanomaly

27.3693, 31.7132, 18.0433

Monochromacy



Original Color

24.7828, 32.7499, 5.0152

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.5351, 27.8789, 13.5919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7828, 32.7499, 5.0152 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(143, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 165, 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(143, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.7828, 32.7499, 5.0152 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(143, 165, 0) }
```


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

```
.border{ border-color:rgb(143, 165, 0) }
```

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

Here you see how a box with a 4 pixel rgb(143, 165, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7828, 32.7499, 5.0152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 165, 0) }
```

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

```
.background{ background-color: rgb(143,  
165, 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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