

Converting Colors

XYZ(9.1225, 12.9505, 3.3855)

Have a look what the booklet for
XYZ(9.1225, 12.9505, 3.3855)
contains.

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Color

**XYZ(9.1449, 12.9616,
3.3864)**

Conversions

Conversions Part 1

Format	Color
Hex	506E20
RGB	80, 110, 32
RGB Percent	31%, 43%, 13%
CMY	0.6863, 0.5686, 0.8745
CMYK	0.27, 0.00, 0.71, 0.57
HSL	83°, 55%, 28%
HSV	83°, 71%, 43%
XYZ	9.1449, 12.9616, 3.3864
YIQ	92.1380, 7.1580, -30.6180

Conversions

Conversions Part 2

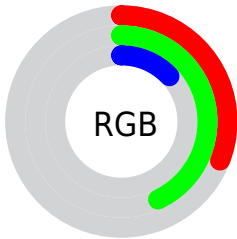
Format	Color
R_{YB}	32, 110, 62
Decimal	5271072
CIE Lab	42.71, -23.93, 38.32
CIE LCh	43, 45.177, 121.981
Yxy	12.9616, 0.3587, 0.5084
Android (android.graphics.Color)	4283461152 (0xFF506E20)
YUV	92.1380, -29.6480, -10.6450
Hunter-Lab	36.0022, -17.6632, 19.6247

Details

The XYZ color **9.1449, 12.9616, 3.3864** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.3182, 3.1834, 15.0867**, and the grayscale version is **10.2699, 10.8048, 11.7664**.

A 20% lighter version of the original color is **23.9213, 31.3403, 12.5731**, and **2.3183, 3.7523, 0.6021** is the 20% darker color. If you saturate the color by 10%, you get **8.6737, 12.7336, 2.7103**, and if you desaturate by 10%, it is **9.6892, 13.2223, 4.3273**.

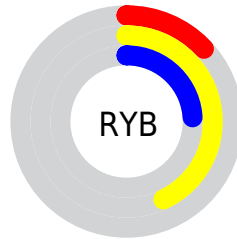
Distribution



Red (31%)

Green (43%)

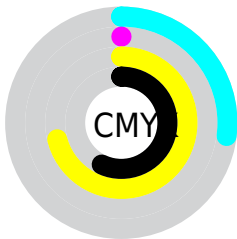
Blue (13%)



Red (13%)

Yellow (43%)

Blue (24%)

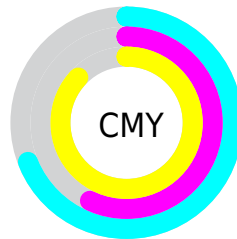


Cyan (27%)

Magenta (0%)

Yellow (71%)

Black (57%)



Cyan (69%)

Magenta (57%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.1449, 12.9616, 3.3864 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 9.1449, 12.9616, 3.3864 by changing the saturation by 10% instead.

9.1449, 12.9616,
3.3864

9.1449, 12.9616,
3.3864

178.6395,
210.6714, 141.1394

4.8937, 7.4021,
1.2952

23.8388, 31.2348,
12.5679

2.2191, 3.7148,
0.0578

35.0121, 44.7173,
20.4952

0.7528, 1.5154,
0.0000

49.2235, 61.6095,
31.2050

0.0000, 0.2995,
0.0000


66.8384, 82.2960,
45.1157

0.0000, 0.0000,
0.0000

88.2221, 107.1610,
62.6460


113.7399,


136.5890, 84.2143


 143.7572,
170.9643, 110.2393


 9.1449, 12.9616,
3.3864


 9.1449, 12.9616,
3.3864


 8.6737, 12.7336,
2.7103


 9.6892, 13.2223,
4.3273


 8.2691, 12.5343,
2.2708

 10.3106, 13.5161,
5.5559

 7.9385, 12.3702,
1.9693

 11.0137, 13.8453,
7.0936

 11.8026, 14.2115,
8.9593

 12.6810, 14.6163,
11.1707

■ 13.6524, 15.0611,
13.7440

■ 14.7199, 15.5472,
16.6945

■ 15.8866, 16.0760,
20.0366

■ 17.1556, 16.6485,
23.7840

Harmonies

Analogous

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



12.0930, 12.9616, 2.3987



9.1449, 12.9616, 3.3864



7.3644, 12.9616, 6.9668

Triad

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



9.1449, 12.9616, 3.3864



9.4726, 12.9616, 38.2321



20.1608, 12.9616, 13.4699

Complementary

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



9.1449, 12.9616, 3.3864



5.3182, 3.1834, 15.0867

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.



19.1110, 12.9616, 24.9820



9.1449, 12.9616, 3.3864



12.5491, 12.9616, 42.6765

Square

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



9.1449, 12.9616, 3.3864



7.5274, 12.9616, 26.6741



16.1552, 12.9616, 36.9769



18.8070, 12.9616, 6.2838

Rectangle

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



9.1449, 12.9616, 3.3864



6.8727, 12.9616, 11.6374



16.1552, 12.9616, 36.9769



20.0768, 12.9616, 16.9169

Sweetspot

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



9.1452, 12.9622, 3.3867



22.1637, 25.6194, 19.3442



8.4088, 6.8542, 2.2465



5.0833, 5.9276, 4.3111



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.1452, 12.9622, 3.3867



14.7673, 22.1334, 4.2239



6.7555, 11.7303, 3.2748



3.5236, 3.8553, 3.6318



9.5032, 14.8428, 2.3641



46.3553, 73.4311, 11.7304

Inverse Universe

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



5.3182, 3.1834, 15.0867



7.6103, 3.7619, 26.2322



8.6871, 4.9201, 15.2444



3.3277, 3.3572, 4.2268



4.5123, 1.9356, 17.8574



21.5769, 9.1777, 88.9134

Previews

White Background



This preview shows how the XYZ color 9.1449, 12.9616, 3.3864 looks on a white background.

Color Contrast Check

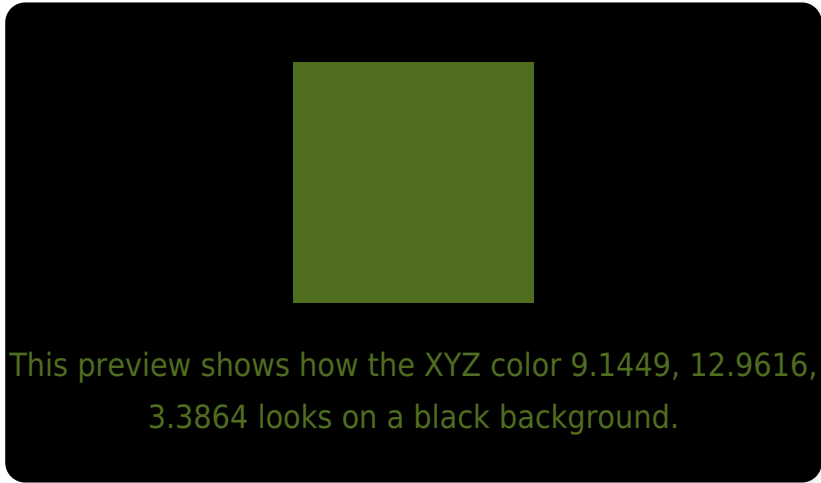
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.1449, 12.9616, 3.3864

Background



This preview shows how black text looks on a background with the XYZ color 9.1449, 12.9616, 3.3864.



This preview shows how white text looks on a background with the XYZ color 9.1449, 12.9616,

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

9.1449, 12.9616, 3.3864

Protanopia

11.6981, 12.9118, 3.1040

Deuteranopia

12.9742, 12.8593, 3.5485



Tritanopia

11.9359, 13.0219, 16.9233

Trichromacy



Original Color

9.1449, 12.9616, 3.3864

Protanomaly

10.5645, 12.7663, 3.2037

Deuteranomaly

11.2637, 12.6799, 3.4439

Tritanomaly

10.5148, 12.8957, 9.9176

Monochromacy



Original Color

9.1449, 12.9616, 3.3864

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.5918, 11.4406, 7.4971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.1449, 12.9616, 3.3864 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(80, 110, 32)` looks like.

```
.text, #text, p{  
    color:rgb(80, 110, 32)  
}
```

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(80, 110, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 110, 32) }
```

Border

The CSS property to change the border of an element to XYZ 9.1449, 12.9616, 3.3864 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(80, 110, 32) }
```


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

```
.border{ border-color:rgb(80, 110, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 110, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 110, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 110, 32);  
box-shadow:4px 4px 4px 4px rgb(80, 110,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 9.1449, 12.9616, 3.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 110, 32) }
```

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

```
.background{ background-color: rgb(80, 110,  
32) }
```

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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