

Converting Colors

XYZ(9.6424, 13.3351, 10.2913)

Have a look what the booklet for
XYZ(9.6424, 13.3351, 10.2913)
contains.

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Color

**XYZ(9.6702, 13.4062,
10.2616)**

Conversions

Conversions Part 1

Format	Color
Hex	437053
RGB	67, 112, 83
RGB Percent	26%, 44%, 33%
CMY	0.7373, 0.5608, 0.6745
CMYK	0.40, 0.00, 0.26, 0.56
HSL	141°, 25%, 35%
HSV	141°, 40%, 44%
XYZ	9.6702, 13.4062, 10.2616
YIQ	95.2390, -17.5110, -18.5590

Conversions

Conversions Part 2

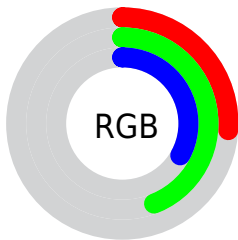
Format	Color
RYB	67, 100, 112
Decimal	4419667
CIELab	43.37, -22.48, 11.34
CIELCh	43, 25.183, 153.224
Yxy	13.4062, 0.2901, 0.4021
Android (android.graphics.Color)	4282609747 (0xFF437053)
YUV	95.2390, -6.0338, -24.7656
Hunter-Lab	36.6145, -16.9319, 9.0135

Details

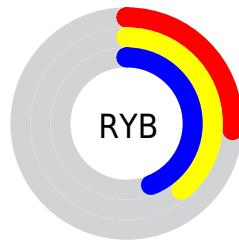
The XYZ color **9.6702, 13.4062, 10.2616** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.8009, 8.3037, 12.1002**, and the grayscale version is **10.9518, 11.5222, 12.5477**.

A 20% lighter version of the original color is **24.8452, 32.0263, 27.0625**, and **2.4327, 3.9353, 2.4651** is the 20% darker color. If you saturate the color by 10%, you get **8.7111, 12.9427, 8.8371**, and if you desaturate by 10%, it is **10.8076, 13.9590, 11.8465**.

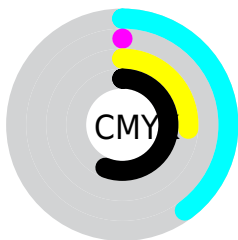
Distribution



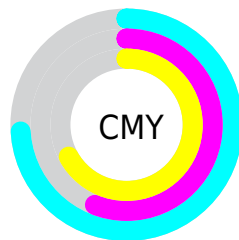
- Red (26%)
- Green (44%)
- Blue (33%)



- Red (26%)
- Yellow (39%)
- Blue (44%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (56%)



- Cyan (74%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6702, 13.4062, 10.2616 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 9.6702, 13.4062, 10.2616 by changing the saturation by 10% instead.

■ 9.6702, 13.4062,
10.2616

■ 9.6702, 13.4062,
10.2616

182.4050,
213.5048, 203.0813

■ 5.2414, 7.7088,
5.4649

■ 24.8287, 32.0316,
26.9019

■ 2.4258, 3.9092,
2.4591

■ 36.2890, 45.7285,
39.5825

■ 0.8580, 1.6229,
0.8183

■ 50.8240, 62.8607,
55.7282

■ 0.0000, 0.3730,
0.0000

■ 68.7989, 83.8125,
75.7575

■ 0.0000, 0.0000,
0.0000

■ 90.5791, 108.9685,
100.0889

116.5300,

138.7129, 129.1409

147.0168,
173.4302, 163.3322

■ 9.6702, 13.4062,
10.2616

■ 9.6702, 13.4062,
10.2616

■ 8.7111, 12.9427,
8.8371

■ 10.8076, 13.9590,
11.8465

■ 7.9198, 12.5621,
7.5670

■ 12.1309, 14.6039,
13.5958

■ 7.2862, 12.2596,
6.4464


■ 13.6488, 15.3455,
15.5143


■ 6.7986, 12.0293,
5.4696


■ 15.3688, 16.1876,
17.6066

■ 6.4438, 11.8646,
4.6305


■ 17.2982, 17.1340,
19.8767

 6.1745, 11.7409,
3.9326

 19.4439, 18.1881,
22.3290

 21.8125, 19.3532,
24.9673

 24.4102, 20.6325,
27.7955

 27.2431, 22.0290,
30.8173

Harmonies

Analogous

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



10.7902, 13.4062, 7.3122



9.6702, 13.4062, 10.2616



9.3433, 13.4062, 15.2113

Triad

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



9.6702, 13.4062, 10.2616



12.9549, 13.4062, 28.2119



16.1552, 13.4062, 9.4541

Complementary

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



9.6702, 13.4062, 10.2616



10.8009, 8.3037, 12.1002

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.



16.8791, 13.4062, 13.9996



9.6702, 13.4062, 10.2616



14.9164, 13.4062, 25.5915

Square

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



9.6702, 13.4062, 10.2616



11.1215, 13.4062, 26.4825



16.4043, 13.4062, 20.0084



14.5131, 13.4062, 6.9367

Rectangle

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



9.6702, 13.4062, 10.2616



9.5884, 13.4062, 19.2707



16.4043, 13.4062, 20.0084



16.5212, 13.4062, 10.7477

Sweetspot

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



9.6706, 13.4068, 10.2619



23.3780, 26.6643, 26.5090



11.6580, 14.4946, 7.4935



5.5552, 6.3760, 6.2919



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.6706, 13.4068, 10.2619



15.4455, 22.8050, 15.7433



10.6720, 13.8073, 15.5353



3.3895, 3.7810, 3.8575



7.1274, 13.5685, 4.4919



35.1272, 67.4395, 20.3870

Inverse Universe

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



10.8009, 8.3037, 12.1002



17.7178, 12.5324, 19.4278



9.9172, 7.9502, 7.4464



3.4665, 3.4343, 3.9832



9.0728, 4.5215, 7.4595



44.7743, 22.3550, 34.9390

Previews

White Background



This preview shows how the XYZ color 9.6702, 13.4062, 10.2616 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



This preview shows how the XYZ color 9.6702, 13.4062, 10.2616 looks on a 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 9.6702, 13.4062, 10.2616

Background



This preview shows how black text looks on a background with the XYZ color 9.6702, 13.4062, 10.2616.



This preview shows how white text looks on a background with the XYZ color 9.6702, 13.4062,

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

9.6702, 13.4062, 10.2616

Protanopia

12.4332, 13.3040, 9.1204

Deuteranopia

13.5186, 13.2588, 10.6508



Tritanopia

11.3390, 13.4419, 18.5199

Trichromacy



Original Color

9.6702, 13.4062, 10.2616

Protanomaly

11.2181, 13.2669, 9.5589

Deuteranomaly

11.6355, 13.0090, 10.4921

Tritanomaly

10.5659, 13.2763, 15.1024

Monochromacy



Original Color

9.6702, 13.4062, 10.2616

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2883, 11.9940, 11.6703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6702, 13.4062, 10.2616 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(67, 112, 83)` looks like.

```
.text, #text, p{  
    color:rgb(67, 112, 83)  
}
```

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(67, 112, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 112, 83) }
```

Border

The CSS property to change the border of an element to XYZ 9.6702, 13.4062, 10.2616 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(67, 112, 83) }
```


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

```
.border{ border-color:rgb(67, 112, 83) }
```

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

Here you see how a box with a 4 pixel rgb(67, 112, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 112, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 112, 83);  
box-shadow:4px 4px 4px 4px rgb(67, 112,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6702, 13.4062, 10.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 112, 83) }
```

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

```
.background{ background-color: rgb(67, 112,  
83) }
```

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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