

Converting Colors

XYZ(16.7341, 13.3609, 5.9970)

Have a look what the booklet for
XYZ(16.7341, 13.3609, 5.9970)
contains.

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Color

**XYZ(16.6418, 13.3073,
5.9664)**

Conversions

Conversions Part 1

Format	Color
Hex	96553C
RGB	150, 85, 60
RGB Percent	59%, 33%, 24%
CMY	0.4118, 0.6666, 0.7647
CMYK	0.00, 0.43, 0.60, 0.41
HSL	17°, 43%, 41%
HSV	17°, 60%, 59%
XYZ	16.6418, 13.3073, 5.9664
YIQ	101.5850, 46.7650, 6.0050

Conversions

Conversions Part 2

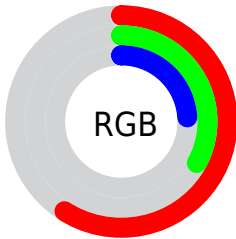
Format	Color
R_{YB}	150, 95, 60
Decimal	9852220
CIE Lab	43.22, 24.45, 26.14
CIE LCh	43, 35.795, 46.916
Yxy	13.3073, 0.4634, 0.3705
Android (android.graphics.Color)	4288042300 (0xFF96553C)
YUV	101.5850, -20.5014, 42.4600
Hunter-Lab	36.4792, 17.5932, 15.8382

Details

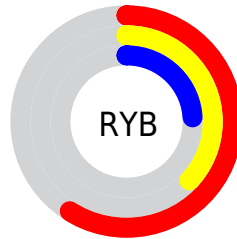
The XYZ color **16.6418, 13.3073, 5.9664** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7016, 17.8289, 31.5205**, and the grayscale version is **12.5646, 13.2190, 14.3955**.

A 20% lighter version of the original color is **37.1029, 31.6761, 18.3459**, and **5.5136, 3.8596, 0.9847** is the 20% darker color. If you saturate the color by 10%, you get **15.5116, 11.5940, 3.9030**, and if you desaturate by 10%, it is **18.0157, 15.3281, 8.6658**.

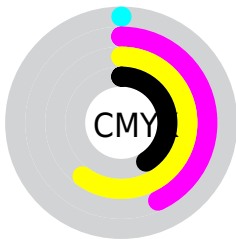
Distribution



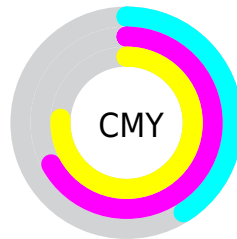
- Red (59%)
- Green (33%)
- Blue (24%)



- Red (59%)
- Yellow (37%)
- Blue (24%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)
- Black (41%)



- Cyan (41%)
- Magenta (67%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6418, 13.3073, 5.9664 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 16.6418, 13.3073, 5.9664 by changing the saturation by 10% instead.

■ 16.6418, 13.3073,
5.9664

■ 16.6418, 13.3073,
5.9664

226.2963,
212.8778, 168.0666

■ 10.0732, 7.6405,
2.7562

■ 37.2574, 31.8548,
18.3376

■ 5.5101, 3.8658,
0.9715

■ 52.0350, 45.5042,
28.3356

■ 2.5874, 1.5988,
0.0000

■ 70.2797, 62.5833,
41.4334

■ 0.9395, 0.3568,
0.0000

■ 92.3568, 83.4765,
58.0494

■ 0.0000, 0.0000,
0.0000

■ 118.6317,
108.5682, 78.6022

■ 149.4697,

138.2427, 103.5103

185.2361,
172.8844, 133.1922

■ 16.6418, 13.3073,
5.9664

■ 16.6418, 13.3073,
5.9664

■ 15.5116, 11.5940,
3.9030

■ 18.0157, 15.3281,
8.6658

■ 14.6083, 10.1705,
2.4215

■ 19.6465, 17.6689,
12.0480

■ 13.9146, 9.0200,
1.4596

■ 21.5475, 20.3439,
16.1559

■ 13.3941, 8.1169,
0.8608

■ 23.7308, 23.3660,
21.0289

■ 13.3940, 8.1169,
0.8608

■ 26.2078, 26.7471,
26.7033

■ 28.9891, 30.4988,
33.2134

■ 32.0849, 34.6320,
40.5912

■ 35.5049, 39.1572,
48.8671

■ 39.2582, 44.0845,
58.0701

Harmonies

Analogous

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



18.4521, 13.3073, 10.4924



16.6418, 13.3073, 5.9664



13.8913, 13.3073, 4.1381

Triad

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



16.6418, 13.3073, 5.9664



8.1412, 13.3073, 11.3064



14.2604, 13.3073, 34.5043

Complementary

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



16.6418, 13.3073, 5.9664



14.7016, 17.8289, 31.5205

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.



11.4816, 13.3073, 34.9768



16.6418, 13.3073, 5.9664



8.2101, 13.3073, 19.3909

Square

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



16.6418, 13.3073, 5.9664



9.1466, 13.3073, 6.3742



9.3508, 13.3073, 28.7113



16.9458, 13.3073, 27.5893

Rectangle

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



16.6418, 13.3073, 5.9664



12.0182, 13.3073, 4.0159



9.3508, 13.3073, 28.7113



13.2998, 13.3073, 35.4916

Sweetspot

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



16.6421, 13.3080, 5.9666



42.5626, 42.1733, 38.6597



17.9594, 11.2222, 20.9582



9.1892, 9.0120, 8.0167



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6421, 13.3080, 5.9666



26.7859, 19.5458, 5.8836



21.2435, 22.5108, 7.5004



5.9242, 6.0621, 6.0983



11.1330, 6.7804, 0.7220



0.1584, 0.1273, 0.0162

Inverse Universe

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



14.7016, 17.8289, 31.5205



22.9776, 28.1315, 55.1401



10.3110, 9.0476, 30.0569



5.8293, 6.2926, 7.3771



9.0697, 10.8343, 25.5442



0.1358, 0.1823, 0.3209

Previews

White Background



This preview shows how the XYZ color 16.6418, 13.3073, 5.9664 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 16.6418, 13.3073, 5.9664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

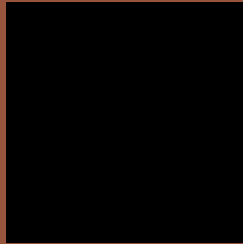
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6418, 13.3073, 5.9664

Background



This preview shows how black text looks on a background with the XYZ color 16.6418, 13.3073, 5.9664.



This preview shows how white text looks on a background with the XYZ color 16.6418, 13.3073,

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

16.6418, 13.3073, 5.9664

Protanopia

12.5455, 13.5505, 7.2645

Deuteranopia

13.5636, 13.3907, 5.7407



Tritanopia

17.6116, 13.2484, 10.6458

Trichromacy



Original Color

16.6418, 13.3073, 5.9664

Protanomaly

13.7125, 13.1715, 6.6701

Deuteranomaly

14.5096, 13.2025, 5.7866

Tritanomaly

17.1193, 13.1497, 8.6570

Monochromacy



Original Color

16.6418, 13.3073, 5.9664

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.5109, 12.9758, 10.8093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6418, 13.3073, 5.9664 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(150, 85, 60)` looks like.

```
.text, #text, p{  
    color:rgb(150, 85, 60)  
}
```

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(150, 85, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 85, 60) }
```

Border

The CSS property to change the border of an element to XYZ 16.6418, 13.3073, 5.9664 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(150, 85, 60) }
```


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

```
.border{ border-color:rgb(150, 85, 60) }
```

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

Here you see how a box with a 4 pixel rgb(150, 85, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 85, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 85, 60);  
box-shadow:4px 4px 4px 4px rgb(150, 85,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6418, 13.3073, 5.9664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 85, 60) }
```

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

```
.background{ background-color: rgb(150, 85,  
60) }
```

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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