

Converting Colors

XYZ(16.4227, 13.3460, 1.7102)

Have a look what the booklet for
XYZ(16.4227, 13.3460, 1.7102)
contains.

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Color

**XYZ(16.3854, 13.2693,
1.6976)**

Conversions

Conversions Part 1

Format	Color
Hex	995500
RGB	153, 85, 0
RGB Percent	60%, 33%, 0%
CMY	0.4000, 0.6666, 1.0000
CMYK	0.00, 0.44, 1.00, 0.40
HSL	33°, 100%, 30%
HSV	33°, 100%, 60%
XYZ	16.3854, 13.2693, 1.6976
YIQ	95.6420, 67.8130, -12.0190

Conversions

Conversions Part 2

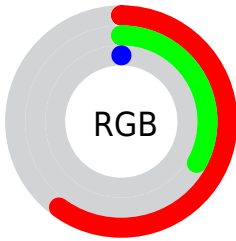
Format	Color
R _Y B	122, 153, 0
Decimal	10048768
CIE Lab	43.17, 23.25, 52.05
CIE LCh	43, 57.004, 65.930
Yxy	13.2693, 0.5226, 0.4232
Android (android.graphics.Color)	4288238848 (0xFF995500)
YUV	95.6420, -47.1515, 50.3030
Hunter-Lab	36.4271, 16.5445, 22.7359

Details

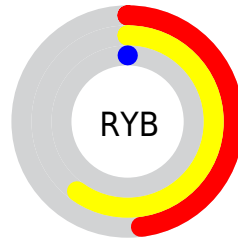
The XYZ color **16.3854, 13.2693, 1.6976** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8168, 6.4339, 30.9667**, and the grayscale version is **11.1309, 11.7106, 12.7528**.

A 20% lighter version of the original color is **36.8683, 31.7796, 8.1939**, and **5.4448, 3.8839, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **16.3856, 13.2698, 1.6977**, and if you desaturate by 10%, it is **17.0354, 14.4281, 2.3504**.

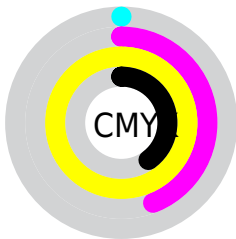
Distribution



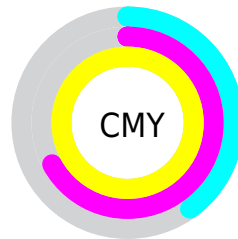
- Red (60%)
- Green (33%)
- Blue (0%)



- Red (48%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3854, 13.2693, 1.6976 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 16.3854, 13.2693, 1.6976 by changing the saturation by 10% instead.

■ 16.3854, 13.2693,
1.6976

■ 16.3854, 13.2693,
1.6976

■ 224.8312,
212.6364, 117.4889

■ 9.8899, 7.6142,
0.3591

■ 36.8181, 31.7868,
8.1963

■ 5.3877, 3.8491,
0.0000

■ 51.4859, 45.4179,
14.3113

■ 2.5136, 1.5895,
0.0000

■ 69.6085, 62.4766,
22.8948

■ 0.9021, 0.3505,
0.0000

■ 91.5513, 83.3472,
34.3653


■ 0.0000, 0.0000,
0.0000


■ 117.6796,
108.4141, 49.1415


■ 148.3588,


138.0617, 67.6418


 183.9542,
172.6743, 90.2847


 16.3854, 13.2693,
1.6976

 16.3854, 13.2693,
1.6976


 16.3856, 13.2698,
1.6977

 17.0354, 14.4281,
2.3504

 17.8033, 15.7179,
3.3646

 18.7208, 17.1543,
4.8992

 19.8012, 18.7446,
7.0180

 21.0560, 20.4954,
9.7757

■ 22.4956, 22.4128,
13.2205

■ 24.1292, 24.5023,
17.3960

■ 25.9656, 26.7692,
22.3419

■ 28.0127, 29.2186,
28.0954

Harmonies

Analogous

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



20.7744, 13.2693, 4.3864



16.3854, 13.2693, 1.6976



11.7584, 13.2693, 1.2662

Triad

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



16.3854, 13.2693, 1.6976



5.9317, 13.2693, 17.0974



18.2540, 13.2693, 44.2732

Complementary

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



16.3854, 13.2693, 1.6976



7.8168, 6.4339, 30.9667

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.



13.5061, 13.2693, 54.4100



16.3854, 13.2693, 1.6976



6.9287, 13.2693, 33.8302

Square

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



16.3854, 13.2693, 1.6976



6.3590, 13.2693, 6.6498



9.4677, 13.2693, 49.7646



22.0170, 13.2693, 26.7491

Rectangle

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



16.3854, 13.2693, 1.6976



9.2637, 13.2693, 1.7785



9.4677, 13.2693, 49.7646



16.6833, 13.2693, 49.0109

Sweetspot

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



16.3857, 13.2700, 1.6978



43.0289, 43.6497, 30.6717



14.2064, 7.2002, 6.2471



9.2450, 9.3135, 6.1086



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3857, 13.2700, 1.6978



29.1572, 23.3895, 2.9779



23.1300, 28.8339, 4.3465



6.4790, 6.7631, 6.5698



13.5761, 11.0346, 1.4143



0.2392, 0.2375, 0.0332

Inverse Universe

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



7.8168, 6.4339, 30.9667



13.8195, 11.1634, 55.3984



5.8456, 2.3493, 30.2822



6.0991, 6.4556, 7.8536



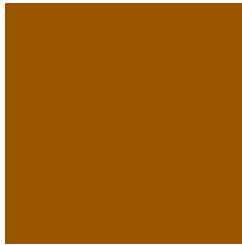
6.4927, 5.3821, 25.6043



0.1325, 0.1514, 0.3946

Previews

White Background



This preview shows how the XYZ color 16.3854, 13.2693, 1.6976 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 16.3854, 13.2693, 1.6976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

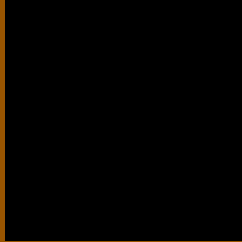
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3854, 13.2693, 1.6976

Background



This preview shows how black text looks on a background with the XYZ color 16.3854, 13.2693, 1.6976.



This preview shows how white text looks on a background with the XYZ color 16.3854, 13.2693,

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

16.3854, 13.2693, 1.6976

Protanopia

12.1191, 13.4400, 2.3033

Deuteranopia

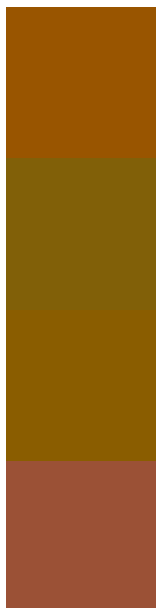
13.4806, 13.2952, 1.8557



Tritanopia

18.1460, 13.3158, 10.2081

Trichromacy



Original Color

16.3854, 13.2693, 1.6976

Protanomaly

13.2800, 13.0504, 2.0488

Deuteranomaly

14.3956, 13.2320, 1.7953

Tritanomaly

17.1259, 13.1198, 5.1198

Monochromacy



Original Color

16.3854, 13.2693, 1.6976

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.0056, 11.7731, 6.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3854, 13.2693, 1.6976 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(153, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 85, 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(153, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3854, 13.2693, 1.6976 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(153, 85, 0) }
```


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

```
.border{ border-color:rgb(153, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3854, 13.2693, 1.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 85, 0) }
```

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

```
.background{ background-color: rgb(153, 85,  
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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