

Converting Colors

XYZ(16.3256, 12.9999, 8.3777)

Have a look what the booklet for
XYZ(16.3256, 12.9999, 8.3777)
contains.

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Color

**XYZ(16.2944, 12.9596,
8.2993)**

Conversions

Conversions Part 1

Format	Color
Hex	92544B
RGB	146, 84, 75
RGB Percent	57%, 33%, 29%
CMY	0.4275, 0.6706, 0.7059
CMYK	0.00, 0.42, 0.49, 0.43
HSL	8°, 32%, 43%
HSV	8°, 49%, 57%
XYZ	16.2944, 12.9596, 8.2993
YIQ	101.5120, 39.8410, 10.3450

Conversions

Conversions Part 2

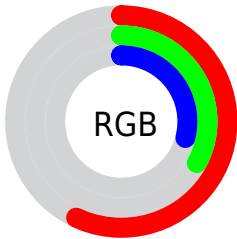
Format	Color
R_{YB}	146, 85, 75
Decimal	9589835
CIE _{Lab}	42.70, 24.73, 16.41
CIE _{LCh}	43, 29.683, 33.567
Yxy	12.9596, 0.4339, 0.3451
Android (android.graphics.Color)	4287779915 (0xFF92544B)
YUV	101.5120, -13.0704, 39.0160
Hunter-Lab	35.9994, 17.7953, 11.5309

Details

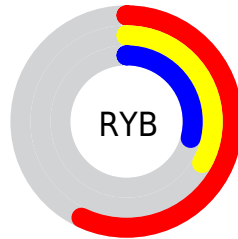
The XYZ color **16.2944, 12.9596, 8.2993** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.0353, 21.4617, 30.4388**, and the grayscale version is **12.5281, 13.1806, 14.3536**.

A 20% lighter version of the original color is **36.5203, 31.0620, 23.1395**, and **5.3225, 3.6974, 1.7295** is the 20% darker color. If you saturate the color by 10%, you get **14.9498, 10.9805, 5.6623**, and if you desaturate by 10%, it is **17.9345, 15.3461, 11.6009**.

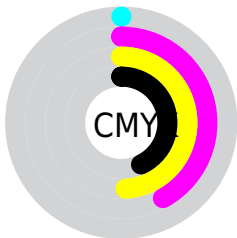
Distribution



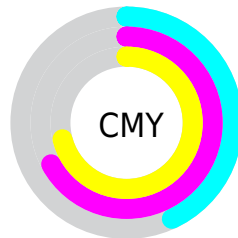
- Red (57%)
- Green (33%)
- Blue (29%)



- Red (57%)
- Yellow (33%)
- Blue (29%)



- Cyan (0%)
- Magenta (42%)
- Yellow (49%)
- Black (43%)



- Cyan (43%)
- Magenta (67%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2944, 12.9596, 8.2993 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 16.2944, 12.9596, 8.2993 by changing the saturation by 10% instead.

■ 16.2944, 12.9596,
8.2993

■ 16.2944, 12.9596,
8.2993

224.3091,
210.6586, 188.0825

■ 9.8249, 7.4007,
4.1965

■ 36.6619, 31.2312,
23.0989

■ 5.3444, 3.7140,
1.7338

■ 51.2906, 44.7127,
34.6329

■ 2.4875, 1.5149,
0.3837

■ 69.3697, 61.6039,
49.4809

■ 0.8890, 0.2992,
0.0000

■ 91.2646, 82.2891,
68.0617

■ 0.0000, 0.0000,
0.0000

■ 117.3406,
107.1528, 90.7937

147.9631,

136.5794, 118.0955

183.4975,
170.9532, 150.3856

■ 16.2944, 12.9596,
8.2993

■ 16.2944, 12.9596,
8.2993

■ 14.9498, 10.9805,
5.6623

■ 17.9345, 15.3461,
11.6009

■ 13.8820, 9.3841,
3.6439

■ 19.8852, 18.1591,
15.6073

■ 13.0716, 8.1461,
2.1937

■ 22.1622, 21.4187,
20.3563

■ 12.4963, 7.2384,
1.2526

■ 24.7793, 25.1431,
25.8829

■ 12.1198, 6.6249,
0.6974

■ 27.7498, 29.3498,
32.2199

■ 12.0788, 6.5604,
0.6297

■ 31.0862, 34.0550,
39.3981

■ 34.8005, 39.2744,
47.4466

■ 38.9040, 45.0230,
56.3935

■ 43.4076, 51.3150,
66.2652

Harmonies

Analogous

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



17.1707, 12.9596, 13.3524



16.2944, 12.9596, 8.2993



14.3500, 12.9596, 5.6576

Triad

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



16.2944, 12.9596, 8.2993



8.8294, 12.9596, 9.2743



12.5894, 12.9596, 30.4828

Complementary

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



16.2944, 12.9596, 8.2993



17.0353, 21.4617, 30.4388

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.



10.4870, 12.9596, 28.4031



16.2944, 12.9596, 8.2993



8.4779, 12.9596, 14.8974

Square

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



16.2944, 12.9596, 8.2993



10.0729, 12.9596, 6.0880



9.0472, 12.9596, 22.1485



14.8734, 12.9596, 27.1895

Rectangle

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



16.2944, 12.9596, 8.2993



12.8098, 12.9596, 5.0199



9.0472, 12.9596, 22.1485



11.8384, 12.9596, 30.3924

Sweetspot

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



16.2947, 12.9603, 8.2995



40.5643, 39.8776, 38.9983



18.9372, 12.9701, 25.4428



8.8383, 8.6066, 8.2847



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.2947, 12.9603, 8.2995



26.2584, 19.2006, 9.7678



19.6952, 19.7612, 9.4330



5.8566, 5.9269, 6.0758



10.6393, 5.7931, 0.5574



0.1417, 0.0939, 0.0107

Inverse Universe

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



17.0353, 21.4617, 30.4388



27.6937, 35.9250, 53.4482



12.8628, 13.1167, 29.0480



5.9020, 6.4381, 7.4013



11.3110, 15.3169, 26.2913



0.1526, 0.2157, 0.3265

Previews

White Background



This preview shows how the XYZ color 16.2944, 12.9596, 8.2993 looks on a white background.

Color Contrast Check

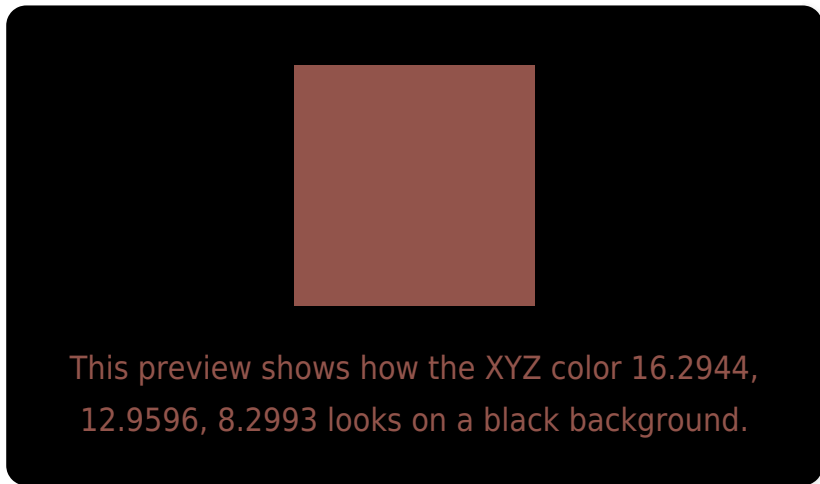
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2944, 12.9596, 8.2993

Background



This preview shows how black text looks on a background with the XYZ color 16.2944, 12.9596, 8.2993.



This preview shows how white text looks on a background with the XYZ color 16.2944, 12.9596,

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

16.2944, 12.9596, 8.2993

Protanopia

12.2784, 13.0577, 10.0569

Deuteranopia

13.2230, 13.0235, 8.1202



Tritanopia

16.8114, 12.9422, 10.8446

Trichromacy



Original Color

16.2944, 12.9596, 8.2993

Protanomaly

13.4253, 12.8286, 9.3580

Deuteranomaly

14.1164, 12.8158, 8.2083

Tritanomaly

16.6872, 13.0141, 9.8161

Monochromacy



Original Color

16.2944, 12.9596, 8.2993

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.4952, 12.8087, 11.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2944, 12.9596, 8.2993 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(146, 84, 75)` looks like.

```
.text, #text, p{  
    color:rgb(146, 84, 75)  
}
```

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(146, 84, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 84, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.2944, 12.9596, 8.2993 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(146, 84, 75) }
```


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

```
.border{ border-color:rgb(146, 84, 75) }
```

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

Here you see how a box with a 4 pixel rgb(146, 84, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 84, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 84, 75);  
box-shadow:4px 4px 4px 4px rgb(146, 84,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2944, 12.9596, 8.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 84, 75) }
```

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

```
.background{ background-color: rgb(146, 84,  
75) }
```

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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