

Converting Colors

XYZ(16.3149, 12.8213, 3.5344)

Have a look what the booklet for
XYZ(16.3149, 12.8213, 3.5344)
contains.

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Color

**XYZ(16.3324, 12.8565,
3.5402)**

Conversions

Conversions Part 1

Format	Color
Hex	985227
RGB	152, 82, 39
RGB Percent	60%, 32%, 15%
CMY	0.4039, 0.6784, 0.8471
CMYK	0.00, 0.46, 0.74, 0.40
HSL	23°, 59%, 37%
HSV	23°, 74%, 60%
XYZ	16.3324, 12.8565, 3.5402
YIQ	98.0280, 55.5230, 1.4670

Conversions

Conversions Part 2

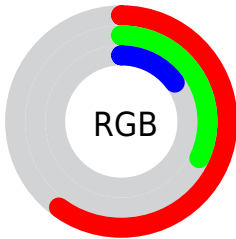
Format	Color
R_{YB}	152, 108, 39
Decimal	9982503
CIE _{Lab}	42.55, 25.62, 37.11
CIE _{LCh}	43, 45.094, 55.376
Yxy	12.8565, 0.4990, 0.3928
Android (android.graphics.Color)	4288172583 (0xFF985227)
YUV	98.0280, -29.1008, 47.3334
Hunter-Lab	35.8560, 18.5589, 19.2452

Details

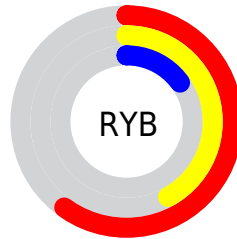
The XYZ color **16.3324, 12.8565, 3.5402** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.9724, 13.6347, 31.7063**, and the grayscale version is **11.6773, 12.2854, 13.3788**.

A 20% lighter version of the original color is **36.7949, 31.0233, 12.8529**, and **5.4249, 3.6889, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **15.4673, 11.4518, 2.2486**, and if you desaturate by 10%, it is **17.3965, 14.4978, 5.3963**.

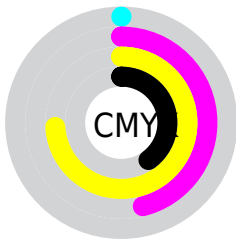
Distribution



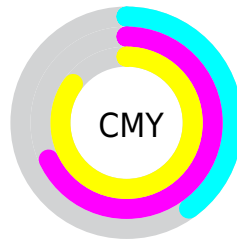
- Red (60%)
- Green (32%)
- Blue (15%)



- Red (60%)
- Yellow (42%)
- Blue (15%)



- Cyan (0%)
- Magenta (46%)
- Yellow (74%)
- Black (40%)





- Cyan (40%)
- Magenta (68%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3324, 12.8565, 3.5402 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 16.3324, 12.8565, 3.5402 by changing the saturation by 10% instead.


 16.3324, 12.8565,
3.5402


 16.3324, 12.8565,
3.5402


224.5273,
209.9959, 142.9687


 9.8520, 7.3298,
1.3767


 36.7271, 31.0457,
12.9346


 5.3625, 3.6692,
0.1234

 51.3722, 44.4771,
21.0026

 2.4984, 1.4903,
0.0000

 69.4694, 61.3121,
31.8757

 0.8944, 0.2819,
0.0000

 91.3844, 81.9351,
45.9727

 0.0000, 0.0000,
0.0000

 117.4822,
106.7307, 63.7119

 148.1284,

136.0830, 85.5119

183.6883,
170.3767, 111.7914

16.3324, 12.8565,
3.5402

16.3324, 12.8565,
3.5402

15.4673, 11.4518,
2.2486

17.3965, 14.4978,
5.3963

14.7831, 10.2686,
1.4499

18.6732, 16.3855,
7.8743

14.4541, 9.6860,
1.1078

20.1757, 18.5310,
11.0250

21.9158, 20.9444,
14.8938

23.9044, 23.6352,
19.5221

■ 26.1515, 26.6123,
24.9483

■ 28.6667, 29.8843,
31.2078

■ 31.4591, 33.4594,
38.3342

■ 34.5372, 37.3453,
46.3591

Harmonies

Analogous

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



19.1453, 12.8565, 7.3995



16.3324, 12.8565, 3.5402



12.7554, 12.8565, 2.3895

Triad

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



16.3324, 12.8565, 3.5402



6.7842, 12.8565, 12.5400



15.2476, 12.8565, 38.7112

Complementary

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



16.3324, 12.8565, 3.5402



11.9724, 13.6347, 31.7063

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.



11.6992, 12.8565, 42.2606



16.3324, 12.8565, 3.5402



7.2052, 12.8565, 23.6762

Square

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



16.3324, 12.8565, 3.5402



7.5829, 12.8565, 5.8157



8.8628, 12.8565, 35.8075



18.4418, 12.8565, 27.5926

Rectangle

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



16.3324, 12.8565, 3.5402



10.5637, 12.8565, 2.5824



8.8628, 12.8565, 35.8075



14.0403, 12.8565, 40.9982

Sweetspot

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



16.3327, 12.8572, 3.5404



42.9170, 42.6846, 36.1803



16.5198, 9.2646, 15.8317



9.5438, 9.4201, 7.7221



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.



16.3327, 12.8572, 3.5404



26.4953, 18.8356, 2.9781



22.2512, 24.6941, 5.5133



6.3919, 6.5888, 6.5407



12.1477, 8.1777, 0.9382



0.2150, 0.1890, 0.0252

Inverse Universe

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



11.9724, 13.6347, 31.7063



18.2878, 20.0915, 55.3479



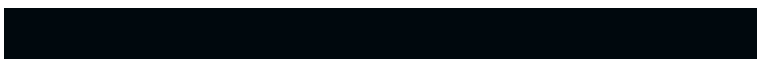
7.8265, 5.3430, 30.3243



6.1870, 6.6313, 7.8829



8.1502, 8.6970, 26.1568



0.1568, 0.1999, 0.4027

Previews

White Background



This preview shows how the XYZ color 16.3324, 12.8565, 3.5402 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 16.3324, 12.8565, 3.5402 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 16.3324, 12.8565, 3.5402

Background



This preview shows how black text looks on a background with the XYZ color 16.3324, 12.8565, 3.5402.



This preview shows how white text looks on a background with the XYZ color 16.3324, 12.8565,

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

16.3324, 12.8565, 3.5402

Protanopia

11.8094, 12.9416, 4.3582

Deuteranopia

13.0904, 12.9227, 3.3945



Tritanopia

17.5416, 12.8023, 9.7302

Trichromacy



Original Color

16.3324, 12.8565, 3.5402

Protanomaly

13.1911, 12.6919, 4.0400

Deuteranomaly

14.0512, 12.7604, 3.3915

Tritanomaly

16.9460, 12.7695, 6.8818

Monochromacy



Original Color

16.3324, 12.8565, 3.5402

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.6379, 12.0417, 8.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3324, 12.8565, 3.5402 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(152, 82, 39)` looks like.

```
.text, #text, p{  
    color:rgb(152, 82, 39)  
}
```

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(152, 82, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 82, 39) }
```

Border

The CSS property to change the border of an element to XYZ 16.3324, 12.8565, 3.5402 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(152, 82, 39) }
```


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

```
.border{ border-color:rgb(152, 82, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 82, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 82, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 82, 39);  
box-shadow:4px 4px 4px 4px rgb(152, 82,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3324, 12.8565, 3.5402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 82, 39) }
```

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

```
.background{ background-color: rgb(152, 82,  
39) }
```

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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