

Converting Colors

XYZ(16.3565, 13.1327, 1.9312)

Have a look what the booklet for
XYZ(16.3565, 13.1327, 1.9312)
contains.

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Color

**XYZ(16.3565, 13.1327,
1.9312)**

Conversions

Conversions Part 1

Format	Color
Hex	995409
RGB	153, 84, 9
RGB Percent	60%, 33%, 4%
CMY	0.4000, 0.6706, 0.9647
CMYK	0.00, 0.45, 0.94, 0.40
HSL	31°, 89%, 32%
HSV	31°, 94%, 60%
XYZ	16.3565, 13.1327, 1.9312
YIQ	96.0810, 65.1990, -8.6970

Conversions

Conversions Part 2

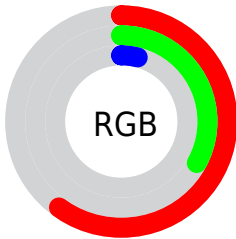
Format	Color
R_{YB}	141, 153, 9
Decimal	10048521
CIE Lab	42.96, 23.96, 49.50
CIE LCh	43, 54.997, 64.168
Yxy	13.1327, 0.5206, 0.4180
Android (android.graphics.Color)	4288238601 (0xFF995409)
YUV	96.0810, -42.9309, 49.9180
Hunter-Lab	36.2391, 17.1476, 22.2078

Details

The XYZ color **16.3565, 13.1327, 1.9312** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5866, 7.8064, 31.1909**, and the grayscale version is **11.2283, 11.8130, 12.8644**.

A 20% lighter version of the original color is **36.8629, 31.5552, 8.8505**, and **5.5170, 3.8730, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **15.9829, 12.4645, 1.5635**, and if you desaturate by 10%, it is **17.0747, 14.3792, 2.7563**.

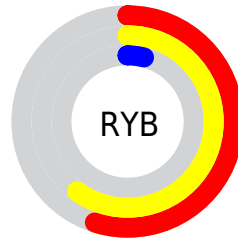
Distribution



Red (60%)

Green (33%)

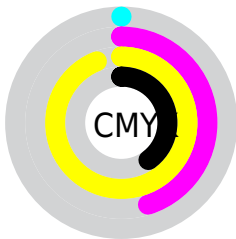
Blue (4%)



Red (55%)

Yellow (60%)

Blue (4%)

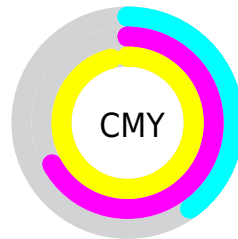


Cyan (0%)

Magenta (45%)

Yellow (94%)

Black (40%)



Cyan (40%)

Magenta (67%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3565, 13.1327, 1.9312 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 16.3565, 13.1327, 1.9312 by changing the saturation by 10% instead.

■ 16.3565, 13.1327,
1.9312

■ 16.3565, 13.1327,
1.9312

224.6655,
211.7664, 121.2991

■ 9.8692, 7.5200,
0.5125

■ 36.7685, 31.5420,
8.8518

■ 5.3739, 3.7894,
0.0000

■ 51.4239, 45.1073,
15.2577

■ 2.5053, 1.5564,
0.0000

■ 69.5327, 62.0924,
24.1854

■ 0.8979, 0.3280,
0.0000


■ 91.4603, 82.8815,
36.0534


■ 0.0000, 0.0000,
0.0000


■ 117.5720,
107.8590, 51.2802


■ 148.2332,


137.4094, 70.2844


 183.8093,
171.9171, 93.4845


 16.3565, 13.1327,
1.9312


 16.3565, 13.1327,
1.9312


 15.9829, 12.4645,
1.5635

 17.0747, 14.3792,
2.7563

 17.9434, 15.7834,
4.0730

 18.9778, 17.3547,
5.9518

 20.1905, 19.1006,
8.4506

 21.5925, 21.0282,
11.6202

■ 23.1939, 23.1437,
15.5060

■ 25.0039, 25.4531,
20.1494

■ 27.0310, 27.9623,
25.5886

■ 29.2834, 30.6765,
31.8592

Harmonies

Analogous

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



20.4590, 13.1327, 4.8245



16.3565, 13.1327, 1.9312



11.9024, 13.1327, 1.3958

Triad

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



16.3565, 13.1327, 1.9312



6.0191, 13.1327, 16.0534



17.6088, 13.1327, 43.3782

Complementary

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



16.3565, 13.1327, 1.9312



8.5866, 7.8064, 31.1909

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.



13.0806, 13.1327, 52.1803



16.3565, 13.1327, 1.9312



6.9064, 13.1327, 31.6945

Square

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



16.3565, 13.1327, 1.9312



6.5170, 13.1327, 6.3835



9.2738, 13.1327, 47.0101



21.2888, 13.1327, 26.9824

Rectangle

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



16.3565, 13.1327, 1.9312



9.4498, 13.1327, 1.8572



9.2738, 13.1327, 47.0101



16.1025, 13.1327, 47.6424

Sweetspot

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



16.3568, 13.1334, 1.9314



43.2940, 43.7052, 32.2234



14.6313, 7.5264, 8.0028



9.2799, 9.2918, 6.4027



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.



16.3568, 13.1334, 1.9314



28.4367, 21.9486, 2.7377



24.1287, 29.3430, 4.6506



6.4616, 6.7282, 6.5640



13.2433, 10.3689, 1.3034



0.2344, 0.2278, 0.0316

Inverse Universe

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



8.5866, 7.8064, 31.1909



14.4166, 12.3576, 55.5974



5.9908, 2.5693, 30.3169



6.1164, 6.4902, 7.8593



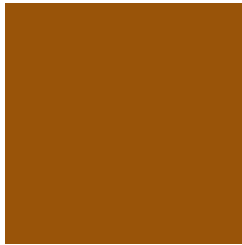
6.7711, 5.9389, 25.6971



0.1374, 0.1610, 0.3962

Previews

White Background



This preview shows how the XYZ color 16.3565, 13.1327, 1.9312 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 16.3565, 13.1327, 1.9312 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 16.3565, 13.1327, 1.9312

Background



This preview shows how black text looks on a background with the XYZ color 16.3565, 13.1327, 1.9312.



This preview shows how white text looks on a background with the XYZ color 16.3565, 13.1327,

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

16.3565, 13.1327, 1.9312

Protanopia

11.9078, 13.1821, 2.3687

Deuteranopia

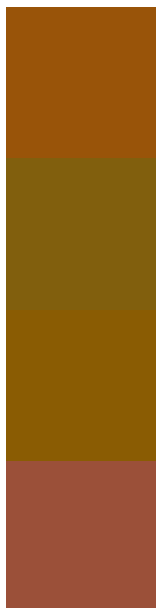
13.3280, 13.2165, 1.8486



Tritanopia

18.0349, 13.1568, 9.9765

Trichromacy



Original Color

16.3565, 13.1327, 1.9312

Protanomaly

13.2181, 12.8806, 2.1703

Deuteranomaly

14.3248, 13.0641, 1.8528

Tritanomaly

17.1247, 13.0013, 5.4778

Monochromacy



Original Color

16.3565, 13.1327, 1.9312

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.0887, 11.8064, 6.4922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3565, 13.1327, 1.9312 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, 84, 9)` looks like.

```
.text, #text, p{  
    color:rgb(153, 84, 9)  
}
```

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, 84, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 84, 9) }
```

Border

The CSS property to change the border of an element to XYZ 16.3565, 13.1327, 1.9312 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, 84, 9) }
```


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

```
.border{ border-color:rgb(153, 84, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 84, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 84, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 84, 9);  
box-shadow:4px 4px 4px 4px rgb(153, 84, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3565, 13.1327, 1.9312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 84, 9) }
```

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

```
.background{ background-color: rgb(153, 84,  
9) }
```

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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