

Converting Colors

XYZ(19.4565, 16.1731, 5.1139)

Have a look what the booklet for
XYZ(19.4565, 16.1731, 5.1139)
contains.

XYZ(19.4565, 16.1731, 5.1139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.4565, 16.1731,
5.1139)**

Conversions

Conversions Part 1

Format	Color
Hex	A16032
RGB	161, 96, 50
RGB Percent	63%, 38%, 20%
CMY	0.3686, 0.6235, 0.8039
CMYK	0.00, 0.40, 0.69, 0.37
HSL	25°, 53%, 41%
HSV	25°, 69%, 63%
XYZ	19.4565, 16.1731, 5.1139
YIQ	110.1910, 53.5060, -0.5260

Conversions

Conversions Part 2

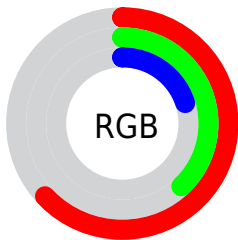
Format	Color
R_{YB}	161, 129, 50
Decimal	10575922
CIE _{Lab}	47.20, 22.26, 36.81
CIE _{LCh}	47, 43.015, 58.836
Yxy	16.1731, 0.4775, 0.3969
Android (android.graphics.Color)	4288766002 (0xFFA16032)
YUV	110.1910, -29.6742, 44.5595
Hunter-Lab	40.2158, 15.9811, 20.6117

Details

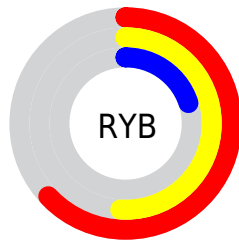
The XYZ color **19.4565, 16.1731, 5.1139** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8787, 15.5119, 35.9805**, and the grayscale version is **14.9481, 15.7266, 17.1263**.

A 20% lighter version of the original color is **42.1535, 36.9649, 16.4685**, and **6.9350, 5.2043, 0.6964** is the 20% darker color. If you saturate the color by 10%, you get **18.3592, 14.4401, 3.3255**, and if you desaturate by 10%, it is **20.7799, 18.1630, 7.5806**.

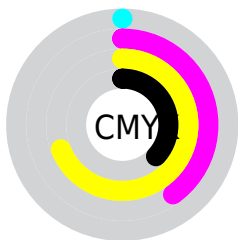
Distribution



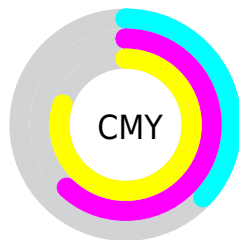
- Red (63%)
- Green (38%)
- Blue (20%)



- Red (63%)
- Yellow (51%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (69%)
- Black (37%)





- Cyan (37%)
- Magenta (62%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4565, 16.1731, 5.1139 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 19.4565, 16.1731, 5.1139 by changing the saturation by 10% instead.


 19.4565, 16.1731,
5.1139


 19.4565, 16.1731,
5.1139

241.8475,
230.3610, 159.9012


 12.1066, 9.6467,
2.2543


 42.0150, 36.8985,
16.5067


 6.8890, 5.1654,
0.7055


 57.9543, 51.8662,
25.8769


 3.4385, 2.3446,
0.0000

 77.4873, 70.4166,
38.2545

 1.3897, 0.7972,
0.0000

 100.9796, 92.9339,
54.0580

 0.2488, 0.0000,
0.0000

 128.7964,
119.8026, 73.7059

 0.0000, 0.0000,
0.0000

 161.3031,

151.4071, 97.6167

198.8650,
188.1318, 126.2089

■ 19.4565, 16.1731,
5.1139

■ 19.4565, 16.1731,
5.1139

■ 18.3592, 14.4401,
3.3255

■ 20.7799, 18.1630,
7.5806

■ 17.4698, 12.9488,
2.1424

■ 22.3432, 20.4187,
10.7865

■ 16.7575, 11.6816,
1.4204

■ 24.1603, 22.9518,
14.7868

■ 16.6887, 11.5589,
1.3515

■ 26.2436, 25.7723,
19.6310

■ 28.6045, 28.8896,
25.3646

■ 31.2537, 32.3126,
32.0297

■ 34.2015, 36.0498,
39.6658

■ 37.4573, 40.1095,
48.3101

■ 41.0304, 44.4996,
57.9979

Harmonies

Analogous

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



22.6738, 16.1731, 9.3450



19.4565, 16.1731, 5.1139



15.5204, 16.1731, 3.9060

Triad

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



19.4565, 16.1731, 5.1139



9.1807, 16.1731, 17.1897



19.1584, 16.1731, 42.9235

Complementary

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



19.4565, 16.1731, 5.1139



13.8787, 15.5119, 35.9805

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.



15.2246, 16.1731, 47.7711



19.4565, 16.1731, 5.1139



9.8349, 16.1731, 29.7045

Square

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



19.4565, 16.1731, 5.1139



9.9451, 16.1731, 8.8724



11.9034, 16.1731, 42.1610



22.4828, 16.1731, 30.7561

Rectangle

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



19.4565, 16.1731, 5.1139



13.1388, 16.1731, 4.3280



11.9034, 16.1731, 42.1610



17.8450, 16.1731, 45.6396

Sweetspot

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



19.4569, 16.1739, 5.1142



50.1452, 50.3207, 42.7575



19.0259, 11.1333, 17.8528



10.7558, 10.7177, 8.7873



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.4569, 16.1739, 5.1142



31.9419, 24.3096, 4.6417



26.1639, 29.5879, 7.3499



7.3037, 7.5457, 7.4516



13.3673, 9.3086, 1.0922



0.3270, 0.2878, 0.0383

Inverse Universe

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



13.8787, 15.5119, 35.9805



21.2028, 22.9152, 63.6921



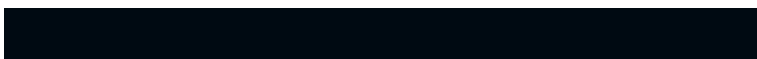
9.4226, 6.5997, 34.4951



7.0288, 7.5167, 8.9835



8.3950, 8.5694, 28.1414



0.2214, 0.2701, 0.6063

Previews

White Background



This preview shows how the XYZ color 19.4565, 16.1731, 5.1139 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 19.4565, 16.1731, 5.1139 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 19.4565, 16.1731, 5.1139

Background



This preview shows how black text looks on a background with the XYZ color 19.4565, 16.1731, 5.1139.



This preview shows how white text looks on a background with the XYZ color 19.4565, 16.1731,

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

19.4565, 16.1731, 5.1139

Protanopia

14.9069, 16.3712, 5.9887

Deuteranopia

16.5860, 16.2961, 4.9606



Tritanopia

21.2086, 16.2378, 13.3256

Trichromacy



Original Color

19.4565, 16.1731, 5.1139

Protanomaly

16.2168, 16.0908, 5.6193

Deuteranomaly

17.5965, 16.2098, 4.9977

Tritanomaly

20.4666, 16.1944, 9.6365

Monochromacy



Original Color

19.4565, 16.1731, 5.1139

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.8663, 15.4749, 11.3832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4565, 16.1731, 5.1139 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(161, 96, 50)` looks like.

```
.text, #text, p{  
    color:rgb(161, 96, 50)  
}
```

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(161, 96, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 96, 50) }
```

Border

The CSS property to change the border of an element to XYZ 19.4565, 16.1731, 5.1139 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(161, 96, 50) }
```


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

```
.border{ border-color:rgb(161, 96, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 96, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 96, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 96, 50);  
box-shadow:4px 4px 4px 4px rgb(161, 96,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4565, 16.1731, 5.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 96, 50) }
```

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

```
.background{ background-color: rgb(161, 96,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor