

Converting Colors

XYZ(16.8600, 21.6289, 3.8990)

Have a look what the booklet for
XYZ(16.8600, 21.6289, 3.8990)
contains.

XYZ(16.8076, 21.5125, 3.8826)	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(16.8076, 21.5125,
3.8826)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8713
RGB	122, 135, 19
RGB Percent	48%, 53%, 7%
CMY	0.5216, 0.4706, 0.9255
CMYK	0.10, 0.00, 0.86, 0.47
HSL	67°, 75%, 30%
HSV	67°, 86%, 53%
XYZ	16.8076, 21.5125, 3.8826
YIQ	117.8890, 29.4880, -38.8320

Conversions

Conversions Part 2

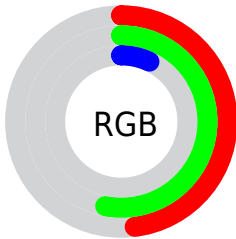
Format	Color
R_{YB}	19, 135, 32
Decimal	8029971
CIE _{Lab}	53.51, -18.95, 54.01
CIE _{LCh}	54, 57.236, 109.333
Yxy	21.5125, 0.3983, 0.5097
Android (android.graphics.Color)	4286220051 (0xFF7A8713)
YUV	117.8890, -48.7523, 3.6053
Hunter-Lab	46.3816, -16.4835, 27.5039

Details

The XYZ color **16.8076, 21.5125, 3.8826** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2024, 2.5226, 23.1356**, and the grayscale version is **17.3271, 18.2295, 19.8519**.

A 20% lighter version of the original color is **37.4192, 45.8354, 13.7124**, and **5.7027, 7.7622, 1.1977** is the 20% darker color. If you saturate the color by 10%, you get **16.5080, 21.3689, 3.4127**, and if you desaturate by 10%, it is **17.1741, 21.6849, 4.6834**.

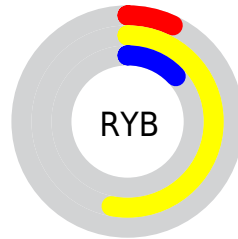
Distribution



Red (48%)

Green (53%)

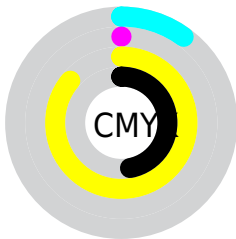
Blue (7%)



Red (7%)

Yellow (53%)

Blue (13%)

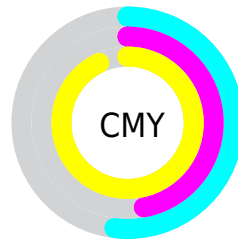


Cyan (10%)

Magenta (0%)

Yellow (86%)

Black (47%)



Cyan (52%)

Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8076, 21.5125, 3.8826 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 16.8076, 21.5125, 3.8826 by changing the saturation by 10% instead.

■ 16.8076, 21.5125,
3.8826

■ 16.8076, 21.5125,
3.8826

227.2391,
259.9897, 146.9114

■ 10.1919, 13.4991,
1.5612

■ 37.5409, 45.9389,
13.7381

■ 5.5896, 7.7731,
0.2629

■ 52.3892, 63.1208,
22.1092

■ 2.6354, 3.9501,
0.0000

■ 70.7124, 84.1276,
33.3340

■ 0.9641, 1.6457,
0.0000

■ 92.8758, 109.3438,
47.8309

■ 0.0000, 0.3881,
0.0000

■ 119.2448,
139.1537, 66.0186

■ 0.0000, 0.0000,
0.0000

■ 150.1848,

173.9417, 88.3156

186.0611,
214.0923, 115.1403

16.8076, 21.5125,
3.8826

16.8076, 21.5125,
3.8826

16.5080, 21.3689,
3.4127

17.1741, 21.6849,
4.6834

16.3921, 21.3126,
3.2498

17.6191, 21.8882,
5.8818

18.1512, 22.1267,
7.5213

18.7775, 22.4034,
9.6394

19.5044, 22.7206,
12.2695

■ 20.3377, 23.0809,
15.4420

■ 21.2827, 23.4862,
19.1851

■ 22.3444, 23.9386,
23.5249

■ 23.5276, 24.4399,
28.4859

Harmonies

Analogous

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



22.6938, 21.5125, 3.4999



16.8076, 21.5125, 3.8826



12.7840, 21.5125, 7.6533

Triad

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



16.8076, 21.5125, 3.8826



13.7215, 21.5125, 59.2166



34.2608, 21.5125, 30.2014

Complementary

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



16.8076, 21.5125, 3.8826



5.2024, 2.5226, 23.1356

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.



30.6862, 21.5125, 52.8082



16.8076, 21.5125, 3.8826



18.3536, 21.5125, 74.3080

Square

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



16.8076, 21.5125, 3.8826



11.2626, 21.5125, 36.3837



24.5771, 21.5125, 71.5101



33.6184, 21.5125, 13.9768

Rectangle

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



16.8076, 21.5125, 3.8826



11.3254, 21.5125, 13.4626



24.5771, 21.5125, 71.5101



33.4885, 21.5125, 37.3779

Sweetspot

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



16.8081, 21.5135, 3.8830



36.3142, 41.2862, 27.2457



10.5896, 6.1578, 1.2468



8.3027, 9.5152, 5.8966



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8081, 21.5135, 3.8830



29.2696, 38.1216, 5.8155



10.9890, 18.5136, 3.6107



4.9897, 5.3973, 5.0082



15.1217, 19.6555, 2.9969



0.0560, 0.0700, 0.0106

Inverse Universe

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



5.2024, 2.5226, 23.1356



8.1144, 3.2785, 41.2535



8.6884, 4.3197, 23.2987



4.4794, 4.5677, 5.8463



4.2228, 1.7111, 21.2444



0.0175, 0.0074, 0.0737

Previews

White Background



This preview shows how the XYZ color 16.8076, 21.5125, 3.8826 looks on a white 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

Black Background



This preview shows how the XYZ color 16.8076, 21.5125, 3.8826 looks on a black 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

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

XYZ 16.8076, 21.5125, 3.8826

Background



This preview shows how black text looks on a background with the XYZ color 16.8076, 21.5125, 3.8826.



This preview shows how white text looks on a background with the XYZ color 16.8076, 21.5125,

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

16.8076, 21.5125, 3.8826

Protanopia

19.3219, 21.4081, 3.6441

Deuteranopia

21.7571, 21.3405, 4.1348



Tritanopia

21.3497, 21.5765, 25.9611

Trichromacy



Original Color

16.8076, 21.5125, 3.8826

Protanomaly

18.3788, 21.5105, 3.7555

Deuteranomaly

19.6689, 21.1949, 3.9741

Tritanomaly

18.7281, 21.0800, 13.4377

Monochromacy



Original Color

16.8076, 21.5125, 3.8826

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3384, 18.9464, 10.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8076, 21.5125, 3.8826 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(122, 135, 19)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 19)  
}
```

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(122, 135, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 19) }
```

Border

The CSS property to change the border of an element to XYZ 16.8076, 21.5125, 3.8826 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(122, 135, 19) }
```


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

```
.border{ border-color:rgb(122, 135, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 19);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8076, 21.5125, 3.8826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 19) }
```

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

```
.background{ background-color: rgb(122,  
135, 19) }
```

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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