

Converting Colors

XYZ(16.8379, 21.0187, 8.2773)

Have a look what the booklet for
XYZ(16.8379, 21.0187, 8.2773)
contains.

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Color

**XYZ(16.8421, 21.0200,
8.3238)**

Conversions

Conversions Part 1

Format	Color
Hex	768542
RGB	118, 133, 66
RGB Percent	46%, 52%, 26%
CMY	0.5373, 0.4784, 0.7412
CMYK	0.11, 0.00, 0.50, 0.48
HSL	73°, 34%, 39%
HSV	73°, 50%, 52%
XYZ	16.8421, 21.0200, 8.3238
YIQ	120.8770, 12.5670, -24.0170

Conversions

Conversions Part 2

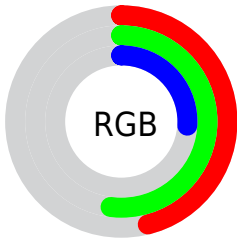
Format	Color
RYB	66, 133, 81
Decimal	7767362
CIELab	52.97, -16.45, 34.03
CIELCh	53, 37.802, 115.800
Yxy	21.0200, 0.3647, 0.4551
Android (android.graphics.Color)	4285957442 (0xFF768542)
YUV	120.8770, -27.0544, -2.5231
Hunter-Lab	45.8476, -14.6613, 21.3290

Details

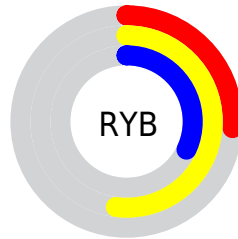
The XYZ color **16.8421, 21.0200, 8.3238** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.5760, 7.3397, 23.1036**, and the grayscale version is **18.2165, 19.1651, 20.8708**.

A 20% lighter version of the original color is **37.5059, 45.0367, 23.2392**, and **5.5863, 7.4591, 1.7176** is the 20% darker color. If you saturate the color by 10%, you get **16.0968, 20.6766, 6.4748**, and if you desaturate by 10%, it is **17.6924, 21.4083, 10.6546**.

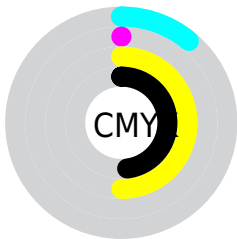
Distribution



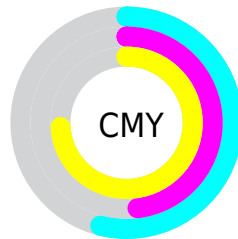
- Red (46%)
- Green (52%)
- Blue (26%)



- Red (26%)
- Yellow (52%)
- Blue (32%)



- Cyan (11%)
- Magenta (0%)
- Yellow (50%)
- Black (48%)



- Cyan (54%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8421, 21.0200, 8.3238 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 16.8421, 21.0200, 8.3238 by changing the saturation by 10% instead.

■ 16.8421, 21.0200,
8.3238

■ 16.8421, 21.0200,
8.3238

227.4348,
257.3848, 188.2786

■ 10.2166, 13.1386,
4.2121

■ 37.5999, 45.1208,
23.1474

■ 5.6062, 7.5241,
1.7424

■ 52.4628, 62.1090,
34.6963

■ 2.6455, 3.7920,
0.3896

■ 70.8023, 82.9017,
49.5615

■ 0.9692, 1.5579,
0.0000

■ 92.9836, 107.8831,
68.1613

■ 0.0000, 0.3289,
0.0000

■ 119.3722,
137.4378, 90.9144

■ 0.0000, 0.0000,
0.0000

150.3333,

171.9500, 118.2393

186.2324,
211.8042, 150.5545

■ 16.8421, 21.0200,
8.3238

■ 16.8421, 21.0200,
8.3238

■ 16.0968, 20.6766,
6.4748

■ 17.6924, 21.4083,
10.6546

■ 15.4485, 20.3728,
5.0726

■ 18.6521, 21.8412,
13.4965

■ 14.8902, 20.1064,
4.0793

■ 19.7272, 22.3217,
16.8779

■ 14.4135, 19.8740,
3.4504

■ 20.9226, 22.8518,
20.8249

■ 14.0068, 19.6726,
3.0590

■ 22.2432, 23.4335,
25.3616

■ 23.6933, 24.0686,
30.5111

■ 25.2772, 24.7588,
36.2949

■ 26.9990, 25.5056,
42.7338

■ 28.8623, 26.3107,
49.8473

Harmonies

Analogous

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



20.5423, 21.0200, 7.2911



16.8421, 21.0200, 8.3238



14.3152, 21.0200, 12.6803

Triad

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



16.8421, 21.0200, 8.3238



15.9940, 21.0200, 46.1017



28.5843, 21.0200, 24.5234

Complementary

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



16.8421, 21.0200, 8.3238



9.5760, 7.3397, 23.1036

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.



26.9684, 21.0200, 37.4784



16.8421, 21.0200, 8.3238



19.4259, 21.0200, 52.2857

Square

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



16.8421, 21.0200, 8.3238



13.8729, 21.0200, 33.7616



23.4828, 21.0200, 48.6989



27.6559, 21.0200, 14.6414

Rectangle

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



16.8421, 21.0200, 8.3238



13.4639, 21.0200, 17.9395



23.4828, 21.0200, 48.6989



28.3154, 21.0200, 28.6700

Sweetspot

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



16.8426, 21.0209, 8.3242



36.3757, 40.4379, 33.6526



13.5636, 11.1938, 6.6002



8.1097, 9.0724, 7.3008



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.8426, 21.0209, 8.3242



28.7022, 36.9687, 11.3119



13.1164, 19.1000, 8.1499



4.9405, 5.3719, 5.0059



13.3480, 18.7411, 2.9139



0.0524, 0.0681, 0.0104

Inverse Universe

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



9.5760, 7.3397, 23.1036



14.2116, 9.6427, 40.8506



13.1242, 9.1689, 23.2697



4.5249, 4.5912, 5.8484



4.5428, 1.8760, 21.2594



0.0211, 0.0093, 0.0739

Previews

White Background



This preview shows how the XYZ color 16.8421, 21.0200, 8.3238 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 16.8421, 21.0200, 8.3238 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 16.8421, 21.0200, 8.3238

Background



This preview shows how black text looks on a background with the XYZ color 16.8421, 21.0200, 8.3238.



This preview shows how white text looks on a background with the XYZ color 16.8421, 21.0200,

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

16.8421, 21.0200, 8.3238

Protanopia

19.2015, 20.8673, 7.8663

Deuteranopia

21.1171, 20.7326, 8.5190



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

16.8421, 21.0200, 8.3238

Protanomaly

18.3201, 20.9877, 8.0865

Deuteranomaly

19.3615, 20.7473, 8.4530

Tritanomaly

18.7020, 20.7751, 17.7761

Monochromacy



Original Color

16.8421, 21.0200, 8.3238

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4283, 19.5999, 15.1765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8421, 21.0200, 8.3238 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(118, 133, 66)` looks like.

```
.text, #text, p{  
    color:rgb(118, 133, 66)  
}
```

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(118, 133, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 133, 66) }
```

Border

The CSS property to change the border of an element to XYZ 16.8421, 21.0200, 8.3238 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(118, 133, 66) }
```


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

```
.border{ border-color:rgb(118, 133, 66) }
```

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

Here you see how a box with a 4 pixel rgb(118, 133, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 133, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 133, 66);  
box-shadow:4px 4px 4px 4px rgb(118, 133,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8421, 21.0200, 8.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 133, 66) }
```

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

```
.background{ background-color: rgb(118,  
133, 66) }
```

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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