

Converting Colors

XYZ(19.7336, 21.3434, 16.1763)

Have a look what the booklet for
XYZ(19.7336, 21.3434, 16.1763)
contains.

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Color

**XYZ(19.7336, 21.3434,
16.1763)**

Conversions

Conversions Part 1

Format	Color
Hex	848068
RGB	132, 128, 104
RGB Percent	52%, 50%, 41%
CMY	0.4824, 0.4980, 0.5922
CMYK	0.00, 0.03, 0.21, 0.48
HSL	51°, 12%, 46%
HSV	51°, 21%, 52%
XYZ	19.7336, 21.3434, 16.1763
YIQ	126.4600, 10.0880, -6.6160

Conversions

Conversions Part 2

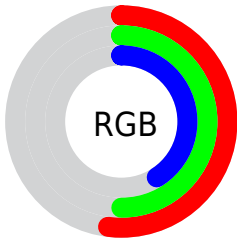
Format	Color
RYB	109, 132, 104
Decimal	8683624
CIELab	53.32, -2.74, 13.60
CIElCh	53, 13.870, 101.387
Yxy	21.3434, 0.3447, 0.3728
Android (android.graphics.Color)	4286873704 (0xFF848068)
YUV	126.4600, -11.0728, 4.8586
Hunter-Lab	46.1989, -4.6029, 11.5792

Details

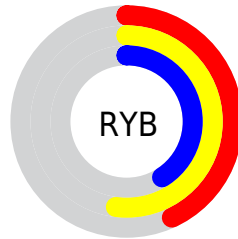
The XYZ color **19.7336, 21.3434, 16.1763** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2362, 15.3337, 23.9866**, and the grayscale version is **20.0226, 21.0654, 22.9402**.

A 20% lighter version of the original color is **42.4479, 45.7286, 37.5996**, and **7.0142, 7.6812, 4.9838** is the 20% darker color. If you saturate the color by 10%, you get **18.8717, 20.6097, 12.8360**, and if you desaturate by 10%, it is **20.7062, 22.1301, 20.0719**.

Distribution



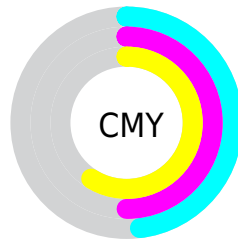
- Red (52%)
- Green (50%)
- Blue (41%)



- Red (43%)
- Yellow (52%)
- Blue (41%)



- Cyan (0%)
- Magenta (3%)
- Yellow (21%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7336, 21.3434, 16.1763 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 19.7336, 21.3434, 16.1763 by changing the saturation by 10% instead.

■ 19.7336, 21.3434,
16.1763

■ 19.7336, 21.3434,
16.1763

243.3304,
259.0979, 242.2609

■ 12.3087, 13.3752,
9.4933

■ 42.4775, 45.6584,
37.6750

■ 7.0280, 7.6874,
4.9631

■ 58.5271, 62.7739,
53.3279

■ 3.5261, 3.8956,
2.1673

■ 78.1824, 83.7075,
72.8077

■ 1.4377, 1.6153,
0.6554

■ 101.8086,
108.8433, 96.5331

■ 0.2828, 0.3679,
0.0000

129.7712,
138.5659, 124.9225

■ 0.0000, 0.0000,
0.0000

162.4354,

173.2596, 158.3946

200.1667,
213.3088, 197.3679

■ 19.7336, 21.3434,
16.1763

■ 19.7336, 21.3434,
16.1763

■ 18.8717, 20.6097,
12.8360

■ 20.7062, 22.1301,
20.0719

■ 18.1138, 19.9243,
10.0240

■ 21.7924, 22.9688,
24.5454

■ 17.4554, 19.2857,
7.7130

■ 22.9970, 23.8623,
29.6198

■ 16.8905, 18.6919,
5.8729

■ 24.3242, 24.8122,
35.3166

■ 16.4129, 18.1400,
4.4701

■ 25.7777, 25.8202,
41.6560

■ 16.0153, 17.6273,
3.4668

■ 27.3614, 26.8876,
48.6574

■ 15.6893, 17.1503,
2.8186

■ 29.0787, 28.0161,
56.3394

■ 15.4386, 16.7512,
2.4196

■ 30.9331, 29.2070,
64.7198

■ 32.9278, 30.4616,
73.8159

Harmonies

Analogous

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



21.2013, 21.3434, 16.3844



19.7336, 21.3434, 16.1763



18.4753, 21.3434, 17.6826

Triad

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



19.7336, 21.3434, 16.1763



18.2398, 21.3434, 29.0091



23.0829, 21.3434, 25.9183

Complementary

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



19.7336, 21.3434, 16.1763



15.2362, 15.3337, 23.9866

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.



22.2118, 21.3434, 29.8529



19.7336, 21.3434, 16.1763



19.3979, 21.3434, 31.7806

Square

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



19.7336, 21.3434, 16.1763



17.6411, 21.3434, 24.8736



20.8491, 21.3434, 32.1068



23.1835, 21.3434, 21.6783

Rectangle

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



19.7336, 21.3434, 16.1763



17.9060, 21.3434, 19.5763



20.8491, 21.3434, 32.1068



22.8686, 21.3434, 27.3329

Sweetspot

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



19.7342, 21.3444, 16.1768



37.4197, 39.7202, 39.2276



17.1837, 15.8934, 16.4055



8.6885, 9.2294, 9.0358



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.



19.7342, 21.3444, 16.1768



34.0779, 37.0245, 25.8199



18.8045, 21.6543, 16.2856



4.9846, 5.3128, 4.9921



14.9513, 16.2251, 2.3437



0.0556, 0.0639, 0.0094

Inverse Universe

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



15.2362, 15.3337, 23.9866



24.8167, 24.6495, 41.9030



16.0288, 15.1309, 23.9056



4.4842, 4.6440, 5.8608



4.2582, 2.0642, 21.3107



0.0179, 0.0135, 0.0749

Previews

White Background



This preview shows how the XYZ color 19.7336, 21.3434, 16.1763 looks on a white background.

Color Contrast Check

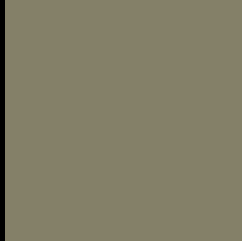
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7336, 21.3434, 16.1763 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 19.7336, 21.3434, 16.1763

Background



This preview shows how black text looks on a background with the XYZ color 19.7336, 21.3434, 16.1763.



This preview shows how white text looks on a background with the XYZ color 19.7336, 21.3434,

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

19.7336, 21.3434, 16.1763

Protanopia

20.0797, 21.3291, 16.1553

Deuteranopia

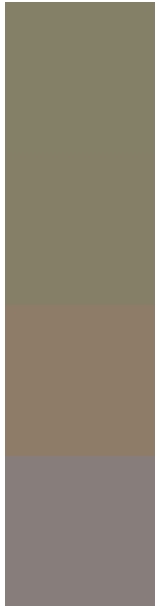
21.5420, 21.1420, 16.3100



Tritanopia

21.6641, 21.3708, 25.5374

Trichromacy



Original Color

19.7336, 21.3434, 16.1763

Protanomaly

19.9196, 21.2466, 16.1478

Deuteranomaly

20.9128, 21.1860, 16.3517

Tritanomaly

20.9004, 21.2482, 21.7386

Monochromacy



Original Color

19.7336, 21.3434, 16.1763

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7615, 21.0759, 20.1661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7336, 21.3434, 16.1763 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(132, 128, 104)` looks like.

```
.text, #text, p{  
    color:rgb(132, 128, 104)  
}
```

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(132, 128, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 128, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.7336, 21.3434, 16.1763 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(132, 128, 104) }
```


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

```
.border{ border-color:rgb(132, 128, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 128, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 128, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 128, 104);  
box-shadow:4px 4px 4px 4px rgb(132, 128,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7336, 21.3434, 16.1763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 128, 104) }
```

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

```
.background{ background-color: rgb(132,  
128, 104) }
```

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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