

Converting Colors

XYZ(21.8139, 18.5376, 15.9475)

Have a look what the booklet for
XYZ(21.8139, 18.5376, 15.9475)
contains.

XYZ(21.8561, 18.6178, 16.0773)	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(21.8561, 18.6178,
16.0773)**

Conversions

Conversions Part 1

Format	Color
Hex	9E6A6A
RGB	158, 106, 106
RGB Percent	62%, 42%, 42%
CMY	0.3804, 0.5843, 0.5843
CMYK	0.00, 0.33, 0.33, 0.38
HSL	0°, 21%, 52%
HSV	0°, 33%, 62%
XYZ	21.8561, 18.6178, 16.0773
YIQ	121.5480, 30.9920, 11.0240

Conversions

Conversions Part 2

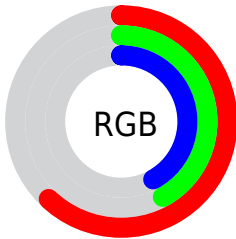
Format	Color
R_{YB}	158, 106, 106
Decimal	10381930
CIE _{Lab}	50.24, 20.82, 8.49
CIE _{LCh}	50, 22.485, 22.190
Yxy	18.6178, 0.3865, 0.3292
Android (android.graphics.Color)	4288572010 (0xFF9E6A6A)
YUV	121.5480, -7.6652, 31.9684
Hunter-Lab	43.1483, 14.9067, 8.1121

Details

The XYZ color **21.8561, 18.6178, 16.0773** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.3418, 29.9853, 36.8526**, and the grayscale version is **18.3690, 19.3256, 21.0456**.

A 20% lighter version of the original color is **46.0442, 41.1842, 37.4208**, and **8.1282, 6.3451, 4.9340** is the 20% darker color. If you saturate the color by 10%, you get **19.6281, 15.3577, 11.6475**, and if you desaturate by 10%, it is **24.5365, 22.5401, 21.4052**.

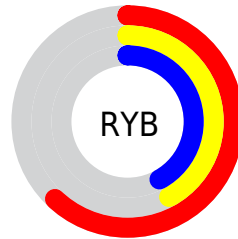
Distribution



Red (62%)

Green (42%)

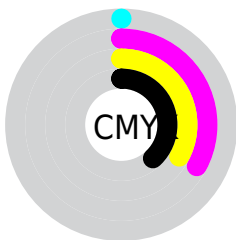
Blue (42%)



Red (62%)

Yellow (42%)

Blue (42%)

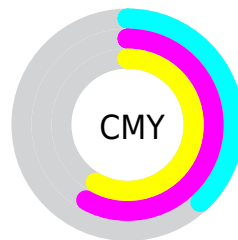


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (38%)



Cyan (38%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8561, 18.6178, 16.0773 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 21.8561, 18.6178, 16.0773 by changing the saturation by 10% instead.


 21.8561, 18.6178,
16.0773


 21.8561, 18.6178,
16.0773


254.4404,
244.3306, 241.6587


 13.8672, 11.3944,
9.4239


 45.9887, 41.0873,
37.5010


 8.1095, 6.3328,
4.9181


 62.8631, 57.1022,
53.1084

 4.2175, 3.0485,
2.1414

 83.4300, 76.8163,
72.5376

 1.8259, 1.1571,
0.6403

 108.0549,
100.6142, 96.2070

 0.5332, 0.0262,
0.0000

137.1030,
128.8802, 124.5353

 0.0000, 0.0000,
0.0000

170.9397,

161.9987, 157.9410

209.9304,
200.3540, 196.8426

■ 21.8561, 18.6178,
16.0773

■ 21.8561, 18.6178,
16.0773

■ 19.6281, 15.3577,
11.6475

■ 24.5365, 22.5401,
21.4052

■ 17.8261, 12.7210,
8.0654

■ 27.6906, 27.1555,
27.6756

■ 16.4235, 10.6685,
5.2772


■ 31.3405, 32.4963,
34.9314


■ 15.3899, 9.1559,
3.2225


■ 35.5061, 38.5916,
43.2126


■ 14.6906, 8.1326,
1.8324


■ 40.2063, 45.4694,
52.5567


 14.2842, 7.5379,
1.0248

 45.4593, 53.1558,
62.9997

 14.1007, 7.2693,
0.6599

 51.2821, 61.6761,
74.5755

 57.6911, 71.0543,
87.3169

 64.7022, 81.3133,
101.2552

Harmonies

Analogous

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



22.1694, 18.6178, 21.9427



21.8561, 18.6178, 16.0773



20.3845, 18.6178, 12.2069

Triad

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



21.8561, 18.6178, 16.0773



14.5938, 18.6178, 13.7815



17.1336, 18.6178, 34.5989

Complementary

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



21.8561, 18.6178, 16.0773



24.3418, 29.9853, 36.8526

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.



15.2543, 18.6178, 31.2793



21.8561, 18.6178, 16.0773



13.8683, 18.6178, 18.6876

Square

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



21.8561, 18.6178, 16.0773



16.1631, 18.6178, 11.0830



14.0998, 18.6178, 25.1385



19.3221, 18.6178, 33.5027

Rectangle

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



21.8561, 18.6178, 16.0773



19.0055, 18.6178, 10.8751



14.0998, 18.6178, 25.1385



16.4474, 18.6178, 33.9421

Sweetspot

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



21.8566, 18.6187, 16.0777



51.9954, 51.8156, 53.6568



25.4262, 20.0459, 34.8769



11.5325, 11.4040, 11.7195



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.



21.8566, 18.6187, 16.0777



36.8332, 29.6289, 23.5148



24.9534, 24.8124, 17.1099



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



24.3418, 29.9853, 36.8526



42.0137, 53.3235, 66.8216



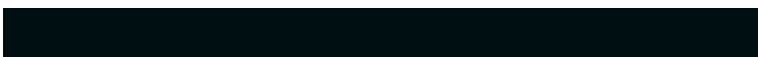
20.3668, 22.0355, 35.5276



6.8218, 7.5094, 8.4966



14.7338, 21.5591, 29.2920



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 21.8561, 18.6178, 16.0773 looks on a white background.

Color Contrast Check

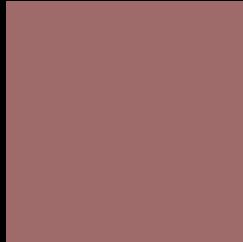
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8561, 18.6178, 16.0773 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 21.8561, 18.6178, 16.0773

Background



This preview shows how black text looks on a background with the XYZ color 21.8561, 18.6178, 16.0773.



This preview shows how white text looks on a background with the XYZ color 21.8561, 18.6178,

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

21.8561, 18.6178, 16.0773

Protanopia

17.8896, 18.6710, 18.2838

Deuteranopia

18.9460, 18.5793, 15.6843



Tritanopia

22.3303, 18.6663, 18.0488

Trichromacy



Original Color

21.8561, 18.6178, 16.0773

Protanomaly

18.9851, 18.3947, 17.3018

Deuteranomaly

20.0210, 18.6280, 15.9049

Tritanomaly

22.1641, 18.5999, 17.1738

Monochromacy



Original Color

21.8561, 18.6178, 16.0773

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.3895, 18.9026, 19.1496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8561, 18.6178, 16.0773 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(158, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(158, 106, 106)  
}
```

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(158, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 106, 106) }
```

Border

The CSS property to change the border of an element to XYZ 21.8561, 18.6178, 16.0773 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(158, 106, 106) }
```


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

```
.border{ border-color:rgb(158, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(158, 106,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8561, 18.6178, 16.0773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 106, 106) }
```

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

```
.background{ background-color: rgb(158,  
106, 106) }
```

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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