

Converting Colors

XYZ(18.5404, 19.6151, 21.6225)

Have a look what the booklet for
XYZ(18.5404, 19.6151, 21.6225)
contains.

XYZ(18.5433, 19.6609, 21.5565)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(18.5433, 19.6609,
21.5565)**

Conversions

Conversions Part 1

Format	Color
Hex	797B7B
RGB	121, 123, 123
RGB Percent	47%, 48%, 48%
CMY	0.5255, 0.5176, 0.5176
CMYK	0.02, 0.00, 0.00, 0.52
HSL	180°, 1%, 48%
HSV	180°, 2%, 48%
XYZ	18.5433, 19.6609, 21.5565
YIQ	122.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

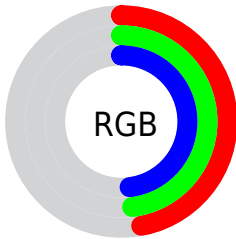
Format	Color
R_{YB}	121, 122, 123
Decimal	7961467
CIE Lab	51.45, -0.75, -0.27
CIE LCh	51, 0.795, 199.816
Yxy	19.6609, 0.3103, 0.3290
Android (android.graphics.Color)	4286151547 (0xFF797B7B)
YUV	122.4020, 0.2948, -1.2296
Hunter-Lab	44.3406, -2.9472, 2.2142

Details

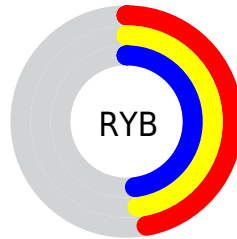
The XYZ color **18.5433, 19.6609, 21.5565** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4577, 19.2668, 20.8362**, and the grayscale version is **18.6300, 19.6002, 21.3446**.

A 20% lighter version of the original color is **40.3014, 42.6393, 46.6635**, and **6.4325, 6.8084, 7.4537** is the 20% darker color. If you saturate the color by 10%, you get **16.9278, 18.8287, 21.4775**, and if you desaturate by 10%, it is **20.3798, 20.6081, 21.6466**.

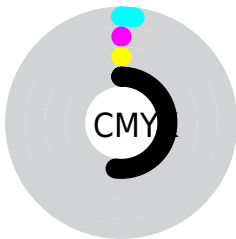
Distribution



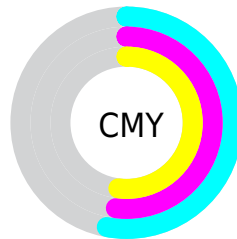
- Red (47%)
- Green (48%)
- Blue (48%)



- Red (47%)
- Yellow (48%)
- Blue (48%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)



- Cyan (53%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5433, 19.6609, 21.5565 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 18.5433, 19.6609, 21.5565 by changing the saturation by 10% instead.

■ 18.5433, 19.6609,
21.5565

■ 18.5433, 19.6609,
21.5565

236.9026,
250.0734, 273.0989

■ 11.4428, 12.1488,
13.3362

■ 40.4838, 42.8479,
46.9046

■ 6.4350, 6.8451,
7.5270

■ 56.0545, 59.2916,
64.8695

■ 3.1545, 3.3654,
3.7104

■ 75.1793, 79.4813,
86.9197

■ 1.2360, 1.3253,
1.4679

98.2236, 103.8014,
113.4738

■ 0.1345, 0.1607,
0.1938

125.5528,
132.6362, 144.9502

■ 0.0000, 0.0000,
0.0000

157.5320,

166.3703, 181.7674

194.5269,
205.3879, 224.3442

■ 18.5433, 19.6609,
21.5565

■ 18.5433, 19.6609,
21.5565

■ 16.9278, 18.8287,
21.4775

■ 20.3798, 20.6081,
21.6466

■ 15.5232, 18.1047,
21.4081

■ 22.4434, 21.6718,
21.7469

■ 14.3215, 17.4853,
21.3481

■ 24.7420, 22.8567,
21.8583

■ 13.3133, 16.9656,
21.2971

■ 27.2828, 24.1665,
21.9809

■ 12.4883, 16.5404,
21.2548

■ 30.0725, 25.6045,
22.1152

■ 11.8357, 16.2041,
21.2205

■ 33.1176, 27.1743,
22.2615

■ 11.3432, 15.9503,
21.1937

■ 36.4246, 28.8790,
22.4200

■ 10.9970, 15.7719,
21.1737

■ 39.9993, 30.7217,
22.5911

■ 10.7810, 15.6606,
21.1598

■ 43.8476, 32.7056,
22.7750

Harmonies

Analogous

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



18.5367, 19.6609, 21.3299



18.5433, 19.6609, 21.5565



18.5884, 19.6609, 21.7444

Triad

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



18.5433, 19.6609, 21.5565



18.8044, 19.6609, 21.6918



18.7142, 19.6609, 20.9783

Complementary

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



18.5433, 19.6609, 21.5565



18.4577, 19.2668, 20.8362

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.



18.7861, 19.6609, 21.0738



18.5433, 19.6609, 21.5565



18.8383, 19.6609, 21.4851

Square

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



18.5433, 19.6609, 21.5565



18.7391, 19.6609, 21.8229



18.8316, 19.6609, 21.2589



18.6352, 19.6609, 20.9971

Rectangle

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



18.5433, 19.6609, 21.5565



18.6343, 19.6609, 21.8219



18.8316, 19.6609, 21.2589



18.7400, 19.6609, 20.9981

Sweetspot

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



18.5439, 19.6617, 21.5569



33.7135, 35.4692, 38.6260



18.4246, 19.6146, 20.9045



7.9400, 8.3535, 9.0970



60.6688, 63.8283, 69.5090

Same Dimension

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



18.5439, 19.6617, 21.5569



33.0758, 35.1405, 38.5947



18.4246, 19.4229, 21.5177



4.3891, 4.6579, 5.1107



11.0183, 16.1310, 21.8791



52.5565, 76.9456, 104.3554

Inverse Universe

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



18.4577, 19.2668, 20.8362



32.8820, 34.2522, 36.9739



18.5757, 19.5031, 20.8750



4.3664, 4.5537, 4.9206



8.4508, 4.3565, 0.3988



40.3093, 20.7801, 1.8932

Previews

White Background



This preview shows how the XYZ color 18.5433, 19.6609, 21.5565 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 18.5433, 19.6609, 21.5565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

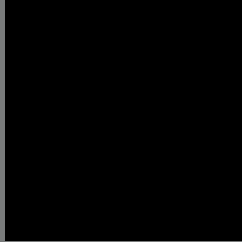
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

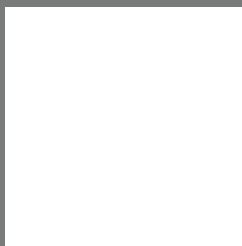
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5433, 19.6609, 21.5565

Background



This preview shows how black text looks on a background with the XYZ color 18.5433, 19.6609, 21.5565.



This preview shows how white text looks on a background with the XYZ color 18.5433, 19.6609,

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

18.5433, 19.6609, 21.5565

Protanopia

18.9298, 19.6842, 21.2141

Deuteranopia

20.0664, 19.7172, 21.8170



Tritanopia

19.0823, 19.6953, 24.2686

Trichromacy



Original Color

18.5433, 19.6609, 21.5565

Protanomaly

18.7846, 19.6093, 21.2073

Deuteranomaly

19.4078, 19.5553, 21.8204

Tritanomaly

18.8819, 19.6152, 23.2130

Monochromacy



Original Color

18.5433, 19.6609, 21.5565

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4984, 19.4618, 21.1939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5433, 19.6609, 21.5565 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(121, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(121, 123, 123)  
}
```

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(121, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 123, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.5433, 19.6609, 21.5565 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(121, 123, 123) }
```

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

```
.border{ border-color:rgb(121, 123, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 123, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 123, 123);  
box-shadow:4px 4px 4px 4px rgb(121, 123,  
123) }
```


Background

The CSS property to change the background color of an element to XYZ 18.5433, 19.6609, 21.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 123, 123) }
```

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

```
.background{ background-color: rgb(121,  
123, 123) }
```

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