

Converting Colors

XYZ(18.5936, 21.4520, 17.6034)

Have a look what the booklet for
XYZ(18.5936, 21.4520, 17.6034)
contains.

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Color

**XYZ(18.6193, 21.5286,
17.6421)**

Conversions

Conversions Part 1

Format	Color
Hex	77846D
RGB	119, 132, 109
RGB Percent	47%, 52%, 43%
CMY	0.5333, 0.4823, 0.5725
CMYK	0.10, 0.00, 0.17, 0.48
HSL	94°, 10%, 47%
HSV	94°, 17%, 52%
XYZ	18.6193, 21.5286, 17.6421
YIQ	125.4910, -0.3650, -9.9090

Conversions

Conversions Part 2

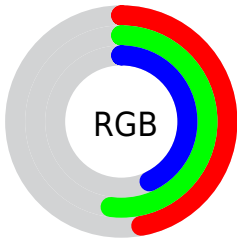
Format	Color
RYB	109, 132, 122
Decimal	7832685
CIELab	53.52, -9.28, 10.83
CIELCh	54, 14.266, 130.586
Yxy	21.5286, 0.3222, 0.3725
Android (android.graphics.Color)	4286022765 (0xFF77846D)
YUV	125.4910, -8.1301, -5.6926
Hunter-Lab	46.3989, -9.5683, 9.9356

Details

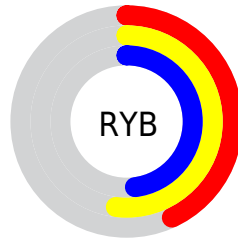
The XYZ color **18.6193, 21.5286, 17.6421** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.6605, 16.7414, 24.1316**, and the grayscale version is **19.6858, 20.7110, 22.5543**.

A 20% lighter version of the original color is **40.5766, 45.9291, 40.4448**, and **6.4613, 7.8255, 5.5848** is the 20% darker color. If you saturate the color by 10%, you get **16.9773, 20.7588, 14.1304**, and if you desaturate by 10%, it is **20.4496, 22.3844, 21.7207**.

Distribution



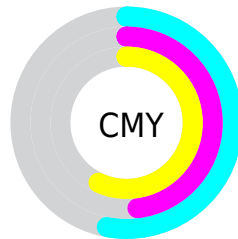
- Red (47%)
- Green (52%)
- Blue (43%)



- Red (43%)
- Yellow (52%)
- Blue (48%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6193, 21.5286, 17.6421 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 18.6193, 21.5286, 17.6421 by changing the saturation by 10% instead.

■ 18.6193, 21.5286,
17.6421

■ 18.6193, 21.5286,
17.6421

237.3176,
260.0745, 251.0139

■ 11.4979, 13.5109,
10.5266

■ 40.6117, 45.9656,
40.2322

■ 6.4725, 7.7813,
5.6393

■ 56.2133, 63.1538,
56.5438

■ 3.1778, 3.9553,
2.5618

■ 75.3725, 84.1676,
76.7579

■ 1.2485, 1.6486,
0.8726

■ 98.4544, 109.3913,
101.2930

■ 0.1442, 0.3900,
0.0000

125.8246,
139.2095, 130.5676

■ 0.0000, 0.0000,
0.0000

157.8483,

174.0065, 165.0002

194.8908,
214.1667, 205.0095

■ 18.6193, 21.5286,
17.6421

■ 18.6193, 21.5286,
17.6421

■ 16.9773, 20.7588,
14.1304

■ 20.4496, 22.3844,
21.7207

■ 15.5154, 20.0694,
11.1590

■ 22.4727, 23.3262,
26.3882

■ 14.2271, 19.4583,
8.7016

■ 24.6952, 24.3573,
31.6674

■ 13.1048, 18.9223,
6.7287

■ 27.1226, 25.4804,
37.5791

■ 12.1405, 18.4578,
5.2083

■ 29.7604, 26.6976,
44.1435

■ 11.3251, 18.0610,
4.1041

■ 32.6137, 28.0114,
51.3797

■ 10.6485, 17.7277,
3.3746

■ 35.6877, 29.4238,
59.3059

■ 10.0920, 17.4500,
2.9339

■ 38.9870, 30.9370,
67.9400

■ 9.9609, 17.3846,
2.8306

■ 42.5165, 32.5530,
77.2988

Harmonies

Analogous

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



19.9301, 21.5286, 16.1389



18.6193, 21.5286, 17.6421



17.8280, 21.5286, 20.7676

Triad

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



18.6193, 21.5286, 17.6421



19.5062, 21.5286, 32.2538



23.4715, 21.5286, 21.9368

Complementary

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



18.6193, 21.5286, 17.6421



17.6605, 16.7414, 24.1316

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.



23.3441, 21.5286, 26.3345



18.6193, 21.5286, 17.6421



21.0039, 21.5286, 32.6681

Square

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



18.6193, 21.5286, 17.6421



18.3222, 21.5286, 29.3186



22.4230, 21.5286, 30.3888



22.7628, 21.5286, 18.4066

Rectangle

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



18.6193, 21.5286, 17.6421



17.6770, 21.5286, 23.5267



22.4230, 21.5286, 30.3888



23.5258, 21.5286, 23.3555

Sweetspot

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



18.6199, 21.5295, 17.6426



36.8138, 39.7980, 40.0674



19.1935, 19.8438, 17.2870



8.5226, 9.2432, 9.2178



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.



18.6199, 21.5295, 17.6426



31.5882, 37.3557, 28.4566



17.3812, 20.8838, 17.9100



4.7941, 5.2964, 4.9990



9.6501, 16.8348, 2.7408



0.0416, 0.0625, 0.0099

Inverse Universe

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



17.6605, 16.7414, 24.1316



29.5627, 27.2482, 42.1545



19.0718, 17.4780, 23.7890



4.6676, 4.6647, 5.8551



6.8196, 3.0498, 21.3659



0.0320, 0.0149, 0.0744

Previews

White Background



This preview shows how the XYZ color 18.6193, 21.5286, 17.6421 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 18.6193, 21.5286, 17.6421 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

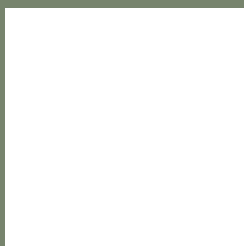
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6193, 21.5286, 17.6421

Background



This preview shows how black text looks on a background with the XYZ color 18.6193, 21.5286, 17.6421.



This preview shows how white text looks on a background with the XYZ color 18.6193, 21.5286,

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

18.6193, 21.5286, 17.6421

Protanopia

20.2349, 21.3912, 16.9723

Deuteranopia

21.8063, 21.4246, 18.0250



Tritanopia

20.4750, 21.4843, 27.1125

Trichromacy



Original Color

18.6193, 21.5286, 17.6421

Protanomaly

19.6103, 21.4504, 17.2941

Deuteranomaly

20.4287, 21.2817, 17.7829

Tritanomaly

19.7071, 21.3704, 23.1649

Monochromacy



Original Color

18.6193, 21.5286, 17.6421

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2173, 20.9812, 20.4897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6193, 21.5286, 17.6421 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(119, 132, 109)` looks like.

```
.text, #text, p{  
    color:rgb(119, 132, 109)  
}
```

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(119, 132, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 132, 109) }
```

Border

The CSS property to change the border of an element to XYZ 18.6193, 21.5286, 17.6421 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(119, 132, 109) }
```


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

```
.border{ border-color:rgb(119, 132, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 132, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 132, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 132, 109);  
box-shadow:4px 4px 4px 4px rgb(119, 132,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6193, 21.5286, 17.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 132, 109) }
```

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

```
.background{ background-color: rgb(119,  
132, 109) }
```

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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