

Converting Colors

XYZ(18.3917, 19.8741, 20.5433)

Have a look what the booklet for
XYZ(18.3917, 19.8741, 20.5433)
contains.

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Color

**XYZ(18.3435, 19.7644,
20.6174)**

Conversions

Conversions Part 1

Format	Color
Hex	787C78
RGB	120, 124, 120
RGB Percent	47%, 49%, 47%
CMY	0.5294, 0.5137, 0.5294
CMYK	0.03, 0.00, 0.03, 0.51
HSL	120°, 2%, 48%
HSV	120°, 3%, 49%
XYZ	18.3435, 19.7644, 20.6174
YIQ	122.3480, -1.1000, -2.0920

Conversions

Conversions Part 2

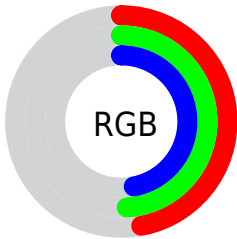
Format	Color
R_{YB}	120, 124, 124
Decimal	7896184
CIE Lab	51.57, -2.30, 1.65
CIE LCh	52, 2.834, 144.335
Yxy	19.7644, 0.3124, 0.3366
Android (android.graphics.Color)	4286086264 (0xFF787C78)
YUV	122.3480, -1.1576, -2.0592
Hunter-Lab	44.4572, -4.1491, 3.6238

Details

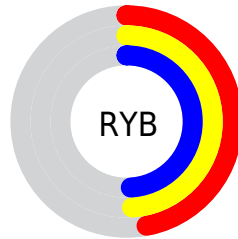
The XYZ color **18.3435, 19.7644, 20.6174** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6674, 19.1737, 21.7867**, and the grayscale version is **18.6168, 19.5863, 21.3295**.

A 20% lighter version of the original color is **39.9850, 42.7999, 45.1835**, and **6.3583, 6.8778, 7.1233** is the 20% darker color. If you saturate the color by 10%, you get **16.0295, 18.6534, 16.8321**, and if you desaturate by 10%, it is **20.9789, 21.0309, 24.9273**.

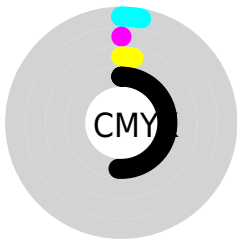
Distribution



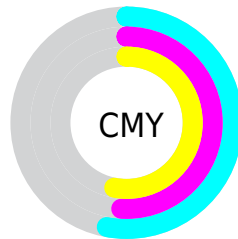
- Red (47%)
- Green (49%)
- Blue (47%)



- Red (47%)
- Yellow (49%)
- Blue (49%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (51%)



- Cyan (53%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3435, 19.7644, 20.6174 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 18.3435, 19.7644, 20.6174 by changing the saturation by 10% instead.

■ 18.3435, 19.7644,
20.6174

■ 18.3435, 19.7644,
20.6174

235.8084,
250.6368, 267.9521

■ 11.2981, 12.2239,
12.6561

■ 40.1473, 43.0218,
45.3224

■ 6.3365, 6.8964,
7.0642

■ 55.6363, 59.5076,
62.9032

■ 3.0933, 3.3974,
3.4233

■ 74.6707, 79.7438,
84.5276

■ 1.2033, 1.3425,
1.3146

97.6156, 104.1150,
110.6141

■ 0.1090, 0.1738,
0.0737

124.8365,
133.0055, 141.5812

■ 0.0000, 0.0000,
0.0000

156.6987,

166.7997, 177.8476

193.5675,
205.8820, 219.8317

■ 18.3435, 19.7644,
20.6174

■ 18.3435, 19.7644,
20.6174

■ 16.0295, 18.6534,
16.8321

■ 20.9789, 21.0309,
24.9273

■ 14.0229, 17.6896,
13.5501

■ 23.9455, 22.4559,
29.7794

■ 12.3114, 16.8674,
10.7507

■ 27.2548, 24.0455,
35.1921

■ 10.8810, 16.1804,
8.4111

■ 30.9173, 25.8049,
41.1824

■ 9.7167, 15.6211,
6.5067

■ 34.9431, 27.7387,
47.7669

■ 8.8021, 15.1818,
5.0106

■ 39.3418, 29.8516,
54.9611

■ 8.1190, 14.8536,
3.8931

■ 44.1226, 32.1480,
62.7803

■ 7.6466, 14.6267,
3.1203

■ 49.2944, 34.6324,
71.2391

■ 7.3592, 14.4887,
2.6502

■ 54.8660, 37.3087,
80.3517

Harmonies

Analogous

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



18.5604, 19.7644, 20.1207



18.3435, 19.7644, 20.6174



18.2451, 19.7644, 21.3654

Triad

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



18.3435, 19.7644, 20.6174



18.7314, 19.7644, 23.1209



19.2895, 19.7644, 20.8794

Complementary

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



18.3435, 19.7644, 20.6174



18.6674, 19.1737, 21.7867

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.



19.3364, 19.7644, 21.6755



18.3435, 19.7644, 20.6174



19.0123, 19.7644, 22.9829

Square

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



18.3435, 19.7644, 20.6174



18.4676, 19.7644, 22.8213



19.2345, 19.7644, 22.4487



19.1070, 19.7644, 20.2693

Rectangle

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



18.3435, 19.7644, 20.6174



18.2592, 19.7644, 21.9112



19.2345, 19.7644, 22.4487



19.3217, 19.7644, 21.1336

Sweetspot

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



18.3441, 19.7652, 20.6178



33.2523, 35.2477, 37.8716



18.9108, 20.0574, 20.6443



7.8392, 8.3051, 8.9321



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.3441, 19.7652, 20.6178



31.9044, 34.6002, 35.6670



18.4668, 19.8143, 21.2642



4.1998, 4.5695, 4.6824



7.3273, 14.6546, 2.4427



34.9520, 69.9038, 11.6512

Inverse Universe

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



18.6674, 19.1737, 21.7867



32.6223, 33.2868, 38.2620



18.5421, 19.1236, 21.1269



4.3046, 4.3778, 5.0613



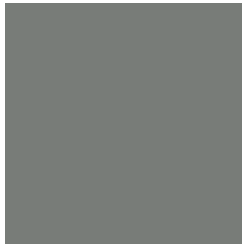
12.1480, 5.8353, 19.8679



57.9468, 27.8351, 94.7708

Previews

White Background



This preview shows how the XYZ color 18.3435, 19.7644, 20.6174 looks on a white background.

Color Contrast Check

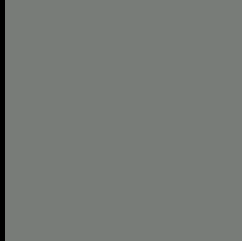
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3435, 19.7644, 20.6174 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

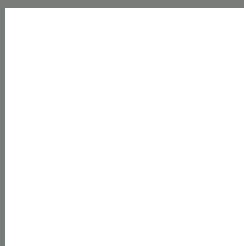
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3435, 19.7644, 20.6174

Background



This preview shows how black text looks on a background with the XYZ color 18.3435, 19.7644, 20.6174.



This preview shows how white text looks on a background with the XYZ color 18.3435, 19.7644,

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

18.3435, 19.7644, 20.6174

Protanopia

18.8935, 19.6866, 20.2569

Deuteranopia

20.0397, 19.7250, 20.8403



Tritanopia

19.1504, 19.7226, 24.6273

Trichromacy



Original Color

18.3435, 19.7644, 20.6174

Protanomaly

18.7249, 19.7829, 20.2843

Deuteranomaly

19.4945, 19.8010, 20.8837

Tritanomaly

18.8644, 19.7894, 23.2475

Monochromacy



Original Color

18.3435, 19.7644, 20.6174

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4193, 19.6113, 20.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3435, 19.7644, 20.6174 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(120, 124, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 124, 120)  
}
```

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(120, 124, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 124, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.3435, 19.7644, 20.6174 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(120, 124, 120) }
```


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

```
.border{ border-color:rgb(120, 124, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 124, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 124, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 124, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 124,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3435, 19.7644, 20.6174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 124, 120) }
```

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

```
.background{ background-color: rgb(120,  
124, 120) }
```

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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