

Converting Colors

XYZ(19.7428, 21.0462, 20.8127)

Have a look what the booklet for
XYZ(19.7428, 21.0462, 20.8127)
contains.

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Color

**XYZ(19.7319, 21.0468,
20.7918)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7F78
RGB	127, 127, 120
RGB Percent	50%, 50%, 47%
CMY	0.5020, 0.5019, 0.5294
CMYK	0.00, 0.00, 0.06, 0.50
HSL	60°, 3%, 48%
HSV	60°, 6%, 50%
XYZ	19.7319, 21.0468, 20.7918
YIQ	126.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

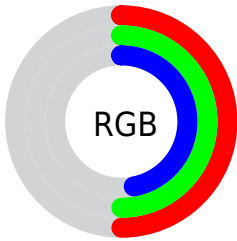
Format	Color
R_{YB}	120, 127, 120
Decimal	8355704
CIE Lab	53.00, -1.36, 3.80
CIE LCh	53, 4.031, 109.662
Yxy	21.0468, 0.3205, 0.3418
Android (android.graphics.Color)	4286545784 (0xFF7F7F78)
YUV	126.2020, -3.0576, 0.6998
Hunter-Lab	45.8768, -3.5104, 5.2430

Details

The XYZ color **19.7319, 21.0468, 20.7918** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2938, 18.9589, 22.7750**, and the grayscale version is **19.9099, 20.9468, 22.8111**.

A 20% lighter version of the original color is **42.5900, 45.3244, 45.5335**, and **7.0360, 7.5364, 7.2147** is the 20% darker color. If you saturate the color by 10%, you get **19.0112, 20.7591, 16.9979**, and if you desaturate by 10%, it is **20.5560, 21.3772, 25.1251**.

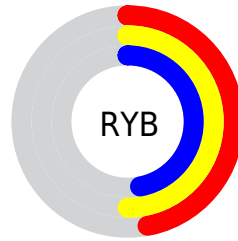
Distribution



Red (50%)

Green (50%)

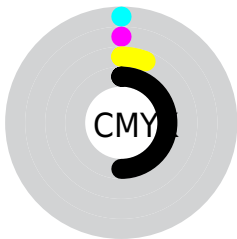
Blue (47%)



Red (47%)

Yellow (50%)

Blue (47%)

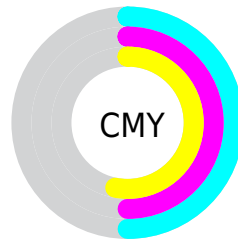


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (50%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7319, 21.0468, 20.7918 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 19.7319, 21.0468, 20.7918 by changing the saturation by 10% instead.

■ 19.7319, 21.0468,
20.7918

■ 19.7319, 21.0468,
20.7918

243.3213,
257.5271, 268.9146

■ 12.3074, 13.1582,
12.7821

■ 42.4746, 45.1654,
45.6171

■ 7.0271, 7.5376,
7.1497

■ 58.5236, 62.1642,
63.2697

■ 3.5255, 3.8005,
3.4761

■ 78.1781, 82.9686,
84.9738

■ 1.4374, 1.5626,
1.3426

101.8035,
107.9628, 111.1479

■ 0.2826, 0.3322,
0.0963

129.7652,
137.5314, 142.2105

■ 0.0000, 0.0000,
0.0000

162.4285,

172.0588, 178.5801

200.1587,
211.9292, 220.6752

■ 19.7319, 21.0468,
20.7918

■ 19.7319, 21.0468,
20.7918

■ 19.0112, 20.7591,
16.9979

■ 20.5560, 21.3772,
25.1251

■ 18.3883, 20.5099,
13.7211

■ 21.4855, 21.7491,
30.0164

■ 17.8593, 20.2982,
10.9394

■ 22.5247, 22.1649,
35.4849

■ 17.4198, 20.1223,
8.6287

■ 23.6769, 22.6258,
41.5487

■ 17.0648, 19.9802,
6.7629

■ 24.9455, 23.1333,
48.2250

■ 16.7889, 19.8698,
5.3135

■ 26.3334, 23.6886,
55.5302

■ 16.5859, 19.7885,
4.2486

■ 27.8439, 24.2928,
63.4803

■ 16.4491, 19.7337,
3.5315

■ 29.4797, 24.9472,
72.0906

■ 16.3671, 19.7008,
3.1036

■ 31.2436, 25.6529,
81.3758

Harmonies

Analogous

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



20.1507, 21.0468, 20.7001



19.7319, 21.0468, 20.7918



19.3907, 21.0468, 21.4412

Triad

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



19.7319, 21.0468, 20.7918



19.4824, 21.0468, 24.7384



20.8153, 21.0468, 23.3370

Complementary

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



19.7319, 21.0468, 20.7918



18.2938, 18.9589, 22.7750

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.



20.6308, 21.0468, 24.4577



19.7319, 21.0468, 20.7918



19.8587, 21.0468, 25.2855

Square

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



19.7319, 21.0468, 20.7918



19.2481, 21.0468, 23.7092



20.2793, 21.0468, 25.1810



20.7802, 21.0468, 22.1414

Rectangle

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



19.7319, 21.0468, 20.7918



19.2513, 21.0468, 22.1162



20.2793, 21.0468, 25.1810



20.7768, 21.0468, 23.7357

Sweetspot

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



19.7325, 21.0477, 20.7923



35.8244, 37.8856, 39.8100



18.8597, 19.3016, 20.5012



8.3923, 8.8720, 9.3463



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.7325, 21.0477, 20.7923



35.1085, 37.5992, 36.0433



19.2204, 20.7837, 20.7683



4.6977, 5.0324, 4.8140



16.4740, 19.8551, 2.9641



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2938, 18.9589, 22.7750



31.7953, 32.7889, 40.6094



18.7880, 19.2137, 22.7981



4.2474, 4.3786, 5.4346



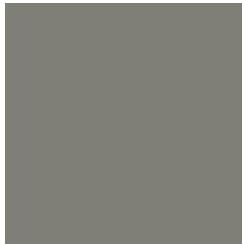
3.8640, 1.5457, 20.3446



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.7319, 21.0468, 20.7918 looks on a white background.

Color Contrast Check

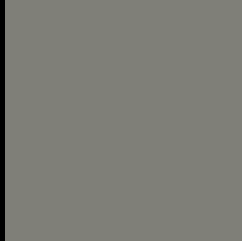
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7319, 21.0468, 20.7918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

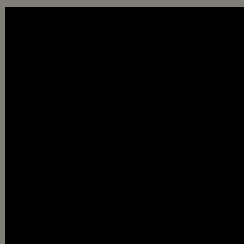
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

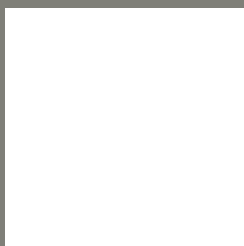
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7319, 21.0468, 20.7918

Background



This preview shows how black text looks on a background with the XYZ color 19.7319, 21.0468, 20.7918.



This preview shows how white text looks on a background with the XYZ color 19.7319, 21.0468,

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

19.7319, 21.0468, 20.7918

Protanopia

19.9965, 20.9994, 20.4521

Deuteranopia

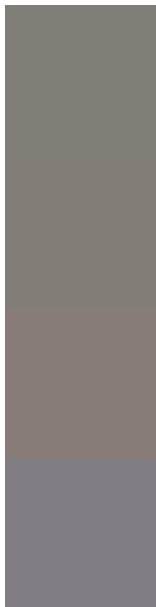
21.3952, 20.9623, 21.0076



Tritanopia

20.7601, 21.0836, 25.8970

Trichromacy



Original Color

19.7319, 21.0468, 20.7918

Protanomaly

19.8439, 20.9207, 20.4450

Deuteranomaly

20.8122, 21.0300, 21.0514

Tritanomaly

20.3922, 21.1226, 24.1214

Monochromacy



Original Color

19.7319, 21.0468, 20.7918

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7031, 20.8126, 22.0475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7319, 21.0468, 20.7918 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(127, 127, 120)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 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(127, 127, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.7319, 21.0468, 20.7918 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(127, 127, 120) }
```


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

```
.border{ border-color:rgb(127, 127, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 127, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 120);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7319, 21.0468, 20.7918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 120) }
```

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

```
.background{ background-color: rgb(127,  
127, 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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