

Converting Colors

XYZ(17.7080, 20.1236, 19.6322)

Have a look what the booklet for
XYZ(17.7080, 20.1236, 19.6322)
contains.

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Color

**XYZ(17.7401, 20.2334,
19.8001)**

Conversions

Conversions Part 1

Format	Color
Hex	718075
RGB	113, 128, 117
RGB Percent	44%, 50%, 46%
CMY	0.5569, 0.4980, 0.5412
CMYK	0.12, 0.00, 0.09, 0.50
HSL	136°, 6%, 47%
HSV	136°, 12%, 50%
XYZ	17.7401, 20.2334, 19.8001
YIQ	122.2610, -5.4090, -6.6010

Conversions

Conversions Part 2

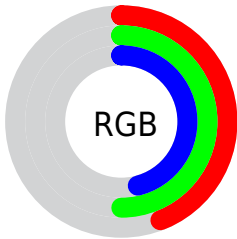
Format	Color
R_{YB}	113, 125, 128
Decimal	7438453
CIE _{Lab}	52.10, -7.79, 4.10
CIE _{LCh}	52, 8.807, 152.220
Yxy	20.2334, 0.3071, 0.3502
Android (android.graphics.Color)	4285628533 (0xFF718075)
YUV	122.2610, -2.5937, -8.1219
Hunter-Lab	44.9816, -8.3198, 5.3887

Details

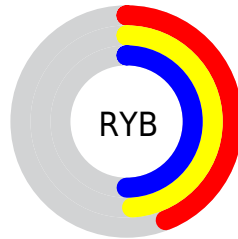
The XYZ color **17.7401, 20.2334, 19.8001** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4460, 17.8551, 21.5438**, and the grayscale version is **18.5939, 19.5622, 21.3033**.

A 20% lighter version of the original color is **39.2024, 43.9117, 43.9457**, and **6.0501, 7.1455, 6.6906** is the 20% darker color. If you saturate the color by 10%, you get **15.6836, 19.2344, 16.9659**, and if you desaturate by 10%, it is **20.0854, 21.3760, 22.9376**.

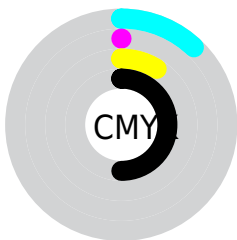
Distribution



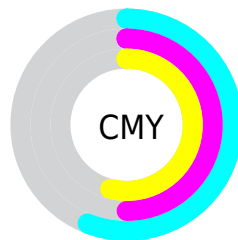
- Red (44%)
- Green (50%)
- Blue (46%)



- Red (44%)
- Yellow (49%)
- Blue (50%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (50%)



- Cyan (56%)
- Magenta (50%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7401, 20.2334, 19.8001 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 17.7401, 20.2334, 19.8001 by changing the saturation by 10% instead.

■ 17.7401, 20.2334,
19.8001

■ 17.7401, 20.2334,
19.8001

232.4760,
253.1759, 263.3992

■ 10.8621, 12.5648,
12.0672

■ 39.1275, 43.8082,
43.9363

■ 6.0408, 7.1296,
6.6664

■ 54.3677, 60.4831,
61.1767

■ 2.9108, 3.5433,
3.1791

■ 73.1259, 80.9290,
82.4234

■ 1.1068, 1.4215,
1.1868

■ 95.7676, 105.5302,
108.0948

■ 0.0308, 0.2325,
0.0000

122.6581,
134.6710, 138.6096

■ 0.0000, 0.0000,
0.0000

154.1628,

168.7360, 174.3862

190.6470,
208.1095, 215.8432

■ 17.7401, 20.2334,
19.8001

■ 17.7401, 20.2334,
19.8001

■ 15.6836, 19.2344,
16.9659

■ 20.0854, 21.3760,
22.9376

■ 13.9029, 18.3708,
14.4247

■ 22.7285, 22.6650,
26.3858

■ 12.3865, 17.6375,
12.1675

■ 25.6801, 24.1063,
30.1532

■ 11.1214, 17.0279,
10.1844

■ 28.9497, 25.7046,
34.2480

■ 10.0937, 16.5351,
8.4649

■ 32.5466, 27.4645,
38.6777

■ 9.2878, 16.1512,
6.9976

■ 36.4796, 29.3905,
43.4497

■ 8.6861, 15.8676,
5.7708

■ 40.7573, 31.4868,
48.5714

■ 8.2685, 15.6740,
4.7712

■ 45.3877, 33.7574,
54.0495

■ 8.0102, 15.5554,
4.1037

■ 50.3788, 36.2063,
59.8910

Harmonies

Analogous

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



18.3230, 20.2334, 18.0974



17.7401, 20.2334, 19.8001



17.5529, 20.2334, 22.2233

Triad

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



17.7401, 20.2334, 19.8001



19.2984, 20.2334, 27.3648



20.7331, 20.2334, 19.4919

Complementary

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



17.7401, 20.2334, 19.8001



18.4460, 17.8551, 21.5438

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.



21.0132, 20.2334, 21.8393



17.7401, 20.2334, 19.8001



20.1690, 20.2334, 26.4964

Square

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



17.7401, 20.2334, 19.8001



18.4357, 20.2334, 26.7141



20.8037, 20.2334, 24.4229



20.0493, 20.2334, 17.9294

Rectangle

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



17.7401, 20.2334, 19.8001



17.6729, 20.2334, 23.9591



20.8037, 20.2334, 24.4229



20.8785, 20.2334, 20.2087

Sweetspot

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



17.7407, 20.2343, 19.8005



34.3358, 37.1341, 39.0243



19.0489, 20.9353, 18.6599



7.9730, 8.6620, 9.0490



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.



17.7407, 20.2343, 19.8005



30.2434, 35.1421, 33.5111



18.1838, 20.4115, 22.1340



4.3195, 4.8361, 4.8537



7.9428, 15.4237, 4.0717



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.4460, 17.8551, 21.5438



31.7347, 30.1114, 37.1968



18.0040, 17.6784, 19.2164



4.4507, 4.3934, 5.1781



10.8251, 5.3497, 10.9349



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7401, 20.2334, 19.8001 looks on a white background.

Color Contrast Check

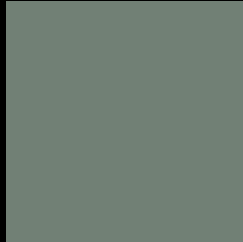
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7401, 20.2334, 19.8001 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

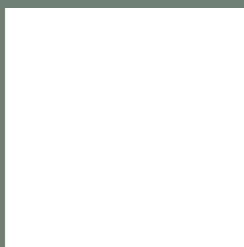
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7401, 20.2334, 19.8001

Background



This preview shows how black text looks on a background with the XYZ color 17.7401, 20.2334, 19.8001.



This preview shows how white text looks on a background with the XYZ color 17.7401, 20.2334,

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

17.7401, 20.2334, 19.8001

Protanopia

19.2043, 20.2423, 19.1146

Deuteranopia

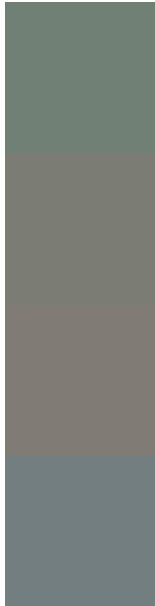
20.5275, 20.1681, 20.2637



Tritanopia

18.9092, 20.1295, 25.8104

Trichromacy



Original Color

17.7401, 20.2334, 19.8001

Protanomaly

18.6544, 20.1391, 19.4270

Deuteranomaly

19.4062, 20.1411, 20.0043

Tritanomaly

18.4274, 20.1251, 23.3354

Monochromacy



Original Color

17.7401, 20.2334, 19.8001

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.2056, 19.6933, 20.6110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7401, 20.2334, 19.8001 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(113, 128, 117)` looks like.

```
.text, #text, p{  
    color:rgb(113, 128, 117)  
}
```

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(113, 128, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 128, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.7401, 20.2334, 19.8001 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(113, 128, 117) }
```


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

```
.border{ border-color:rgb(113, 128, 117) }
```

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

Here you see how a box with a 4 pixel rgb(113, 128, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 128, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 128, 117);  
box-shadow:4px 4px 4px 4px rgb(113, 128,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7401, 20.2334, 19.8001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 128, 117) }
```

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

```
.background{ background-color: rgb(113,  
128, 117) }
```

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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