

Converting Colors

XYZ(19.8142, 20.1714, 23.2804)

Have a look what the booklet for
XYZ(19.8142, 20.1714, 23.2804)
contains.

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Color

**XYZ(19.7579, 20.0668,
23.2540)**

Conversions

Conversions Part 1

Format	Color
Hex	807A80
RGB	128, 122, 128
RGB Percent	50%, 48%, 50%
CMY	0.4980, 0.5216, 0.4980
CMYK	0.00, 0.05, 0.00, 0.50
HSL	300°, 2%, 49%
HSV	300°, 5%, 50%
XYZ	19.7579, 20.0668, 23.2540
YIQ	124.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

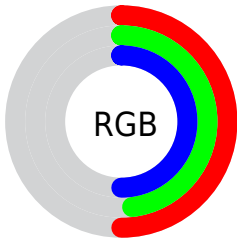
Format	Color
R _Y B	128, 122, 128
Decimal	8419968
CIE Lab	51.91, 3.46, -2.46
CIE LCh	52, 4.247, 324.644
Yxy	20.0668, 0.3132, 0.3181
Android (android.graphics.Color)	4286610048 (0xFF807A80)
YUV	124.4780, 1.7363, 3.0888
Hunter-Lab	44.7960, 0.3370, 0.5792

Details

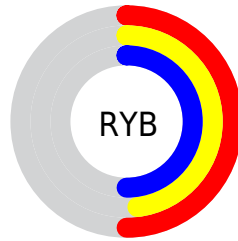
The XYZ color **19.7579, 20.0668, 23.2540** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2589, 20.9816, 21.4482**, and the grayscale version is **19.3123, 20.3180, 22.1263**.

A 20% lighter version of the original color is **42.5326, 43.4321, 49.8576**, and **7.0183, 6.9919, 8.3768** is the 20% darker color. If you saturate the color by 10%, you get **18.2888, 17.1285, 22.7646**, and if you desaturate by 10%, it is **21.4351, 23.4209, 23.8133**.

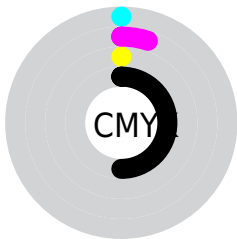
Distribution



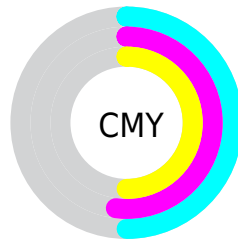
- Red (50%)
- Green (48%)
- Blue (50%)



- Red (50%)
- Yellow (48%)
- Blue (50%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7579, 20.0668, 23.2540 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 19.7579, 20.0668, 23.2540 by changing the saturation by 10% instead.

■ 19.7579, 20.0668,
23.2540

■ 19.7579, 20.0668,
23.2540

243.4601,
252.2765, 282.1910

■ 12.3264, 12.4436,
14.5741

■ 42.5180, 43.5292,
49.7385

■ 7.0402, 7.0466,
8.3777

■ 58.5773, 60.1371,
68.3803

■ 3.5338, 3.4912,
4.2464

■ 78.2432, 80.5088,
91.1797

■ 1.4419, 1.3933,
1.7615

101.8811,
105.0285, 118.5553

■ 0.2858, 0.2117,
0.4023

129.8564,
134.0808, 150.9257

■ 0.0000, 0.0000,
0.0000

162.5345,

168.0499, 188.7094

200.2806,
207.3204, 232.3250

■ 19.7579, 20.0668,
23.2540

■ 19.7579, 20.0668,
23.2540

■ 18.2888, 17.1285,
22.7646

■ 21.4351, 23.4209,
23.8133

■ 17.0182, 14.5872,
22.3410

■ 23.3264, 27.2034,
24.4437

■ 15.9380, 12.4269,
21.9810

■ 25.4395, 31.4296,
25.1481

■ 15.0391, 10.6292,
21.6814

■ 27.7813, 36.1132,
25.9287

■ 14.3115, 9.1741,
21.4388

■ 30.3584, 41.2673,
26.7877

■ 13.7444, 8.0400,
21.2498

■ 33.1771, 46.9045,
27.7272

■ 13.3257, 7.2025,
21.1103

■ 36.2434, 53.0371,
28.7493

■ 13.0414, 6.6340,
21.0155

■ 39.5632, 59.6767,
29.8559

■ 12.8720, 6.2953,
20.9591

■ 43.1422, 66.8346,
31.0489

Harmonies

Analogous

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



19.4211, 20.0668, 24.0820



19.7579, 20.0668, 23.2540



19.9113, 20.0668, 22.0720

Triad

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



19.7579, 20.0668, 23.2540



19.1505, 20.0668, 19.5669



18.3283, 20.0668, 22.8556

Complementary

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



19.7579, 20.0668, 23.2540



19.2589, 20.9816, 21.4482

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.



18.2583, 20.0668, 21.6282



19.7579, 20.0668, 23.2540



18.7289, 20.0668, 19.7591

Square

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



19.7579, 20.0668, 23.2540



19.5573, 20.0668, 19.9673



18.4039, 20.0668, 20.5024



18.5966, 20.0668, 23.8460

Rectangle

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



19.7579, 20.0668, 23.2540



19.8873, 20.0668, 21.2538



18.4039, 20.0668, 20.5024



18.2810, 20.0668, 22.4558

Sweetspot

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



19.7585, 20.0677, 23.2544



35.8256, 37.4080, 41.2885



18.8951, 19.6408, 23.2175



8.3926, 8.7680, 9.6684



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.



19.7585, 20.0677, 23.2544



34.3893, 34.5355, 40.8098



19.5704, 19.9924, 22.2637



4.5952, 4.6065, 5.4602



12.6901, 6.0957, 20.7577



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3752, 19.9144, 21.2361



33.5136, 34.1852, 36.1981



19.4412, 21.0546, 22.4085



4.4738, 4.5580, 4.8209



8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.7579, 20.0668, 23.2540 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 19.7579, 20.0668, 23.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

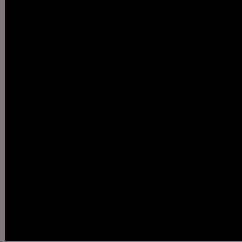
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7579, 20.0668, 23.2540

Background



This preview shows how black text looks on a background with the XYZ color 19.7579, 20.0668, 23.2540.



This preview shows how white text looks on a background with the XYZ color 19.7579, 20.0668,

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

19.7579, 20.0668, 23.2540

Protanopia

19.5029, 20.1109, 23.6228

Deuteranopia

20.4443, 20.0598, 23.2165



Tritanopia

19.9584, 20.1470, 24.3096

Trichromacy



Original Color

19.7579, 20.0668, 23.2540

Protanomaly

19.6496, 20.1865, 23.6296

Deuteranomaly

20.2494, 20.1388, 23.2420

Tritanomaly

19.8909, 20.1200, 23.9543

Monochromacy



Original Color

19.7579, 20.0668, 23.2540

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2421, 20.0066, 22.2495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7579, 20.0668, 23.2540 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(128, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 122, 128)  
}
```

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(128, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 122, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.7579, 20.0668, 23.2540 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(128, 122, 128) }
```


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

```
.border{ border-color:rgb(128, 122, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 122,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7579, 20.0668, 23.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 122, 128) }
```

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

```
.background{ background-color: rgb(128,  
122, 128) }
```

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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