

Converting Colors

XYZ(20.2055, 22.8558, 23.9045)

Have a look what the booklet for
XYZ(20.2055, 22.8558, 23.9045)
contains.

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Color

**XYZ(20.1680, 22.8084,
23.7616)**

Conversions

Conversions Part 1

Format	Color
Hex	778780
RGB	119, 135, 128
RGB Percent	47%, 53%, 50%
CMY	0.5333, 0.4706, 0.4980
CMYK	0.12, 0.00, 0.05, 0.47
HSL	154°, 6%, 50%
HSV	154°, 12%, 53%
XYZ	20.1680, 22.8084, 23.7616
YIQ	129.4180, -7.2890, -5.5690

Conversions

Conversions Part 2

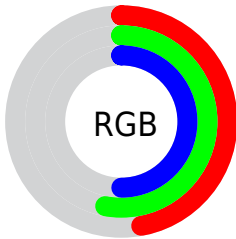
Format	Color
R_{YB}	119, 129, 135
Decimal	7833472
CIE Lab	54.87, -7.27, 1.79
CIE LCh	55, 7.484, 166.196
Yxy	22.8084, 0.3022, 0.3418
Android (android.graphics.Color)	4286023552 (0xFF778780)
YUV	129.4180, -0.6991, -9.1366
Hunter-Lab	47.7581, -8.1972, 3.9315

Details

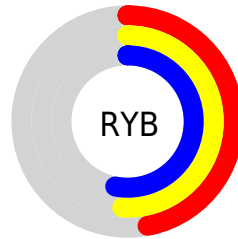
The XYZ color **20.1680, 22.8084, 23.7616** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3552, 19.8515, 22.4985**, and the grayscale version is **21.0176, 22.1122, 24.0802**.

A 20% lighter version of the original color is **43.1183, 47.9606, 50.7008**, and **7.1856, 8.3636, 8.6328** is the 20% darker color. If you saturate the color by 10%, you get **18.0678, 21.7699, 21.6926**, and if you desaturate by 10%, it is **22.5554, 23.9935, 25.9632**.

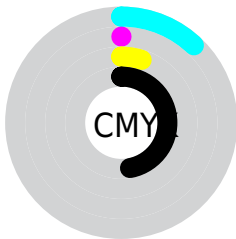
Distribution



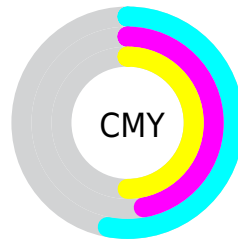
- Red (47%)
- Green (53%)
- Blue (50%)



- Red (47%)
- Yellow (51%)
- Blue (53%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1680, 22.8084, 23.7616 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 20.1680, 22.8084, 23.7616 by changing the saturation by 10% instead.

■ 20.1680, 22.8084,
23.7616

■ 20.1680, 22.8084,
23.7616

245.6394,
266.7394, 284.8606

■ 12.6262, 14.4521,
14.9463

■ 43.2005, 48.0785,
50.5798

■ 7.2469, 8.4358,
8.6355

■ 59.4218, 65.7611,
69.4198

■ 3.6647, 4.3750,
4.4107

■ 79.2671, 87.3213,
92.4385

■ 1.5142, 1.8855,
1.8532

103.1016,
113.1434, 120.0544

■ 0.3355, 0.5396,
0.4627

131.2908,
143.6119, 152.6860

■ 0.0000, 0.0000,
0.0000

164.1999,

179.1111, 190.7519

202.1943,
220.0255, 234.6706

■ 20.1680, 22.8084,
23.7616

■ 20.1680, 22.8084,
23.7616

■ 18.0678, 21.7699,
21.6926

■ 22.5554, 23.9935,
25.9632

■ 16.2413, 20.8694,
19.7521

■ 25.2388, 25.3280,
28.2983

■ 14.6771, 20.1016,
17.9381

■ 28.2290, 26.8179,
30.7698

■ 13.3620, 19.4597,
16.2478

■ 31.5357, 28.4682,
33.3800

■ 12.2816, 18.9363,
14.6784

■ 35.1682, 30.2837,
36.1312

■ 11.4199, 18.5234,
13.2269

■ 39.1354, 32.2689,
39.0255

■ 10.7591, 18.2116,
11.8902

■ 43.4457, 34.4281,
42.0651

■ 10.2780, 17.9902,
10.6649

■ 48.1074, 36.7656,
45.2520

■ 9.9665, 17.8496,
9.7448

■ 53.1285, 39.2854,
48.5884

Harmonies

Analogous

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



20.5491, 22.8084, 21.8081



20.1680, 22.8084, 23.7616



20.1844, 22.8084, 26.1290

Triad

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



20.1680, 22.8084, 23.7616



22.1261, 22.8084, 29.4790



22.8003, 22.8084, 21.6848

Complementary

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



20.1680, 22.8084, 23.7616



20.3552, 19.8515, 22.4985

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.



23.2450, 22.8084, 23.5834



20.1680, 22.8084, 23.7616



22.8490, 22.8084, 28.1287

Square

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



20.1680, 22.8084, 23.7616



21.3008, 22.8084, 29.5343



23.2630, 22.8084, 25.9392



22.0611, 22.8084, 20.6617

Rectangle

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



20.1680, 22.8084, 23.7616



20.4182, 22.8084, 27.6277



23.2630, 22.8084, 25.9392



22.9900, 22.8084, 22.2361

Sweetspot

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



20.1686, 22.8094, 23.7621



39.3891, 42.4685, 45.5907



20.6282, 23.1117, 20.8268



9.0527, 9.8008, 10.4953



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.1686, 22.8094, 23.7621



35.1441, 40.3636, 41.6178



20.5345, 22.7777, 26.2371



4.7178, 5.2453, 5.5251



9.1967, 16.4615, 9.0212



0.0355, 0.0585, 0.0506

Inverse Universe

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



20.3552, 19.8515, 22.4985



35.5410, 34.0717, 38.9303



20.0146, 19.8682, 20.2331



4.7509, 4.7201, 5.3007



9.9498, 5.0442, 4.3078



0.0380, 0.0189, 0.0337

Previews

White Background



This preview shows how the XYZ color 20.1680, 22.8084, 23.7616 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 20.1680, 22.8084, 23.7616 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

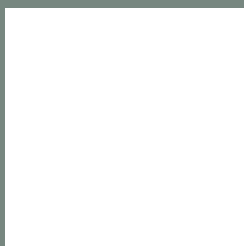
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1680, 22.8084, 23.7616

Background



This preview shows how black text looks on a background with the XYZ color 20.1680, 22.8084, 23.7616.



This preview shows how white text looks on a background with the XYZ color 20.1680, 22.8084,

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

20.1680, 22.8084, 23.7616

Protanopia

21.8739, 22.8899, 23.0040

Deuteranopia

23.1202, 22.7197, 24.2859



Tritanopia

21.3715, 22.8958, 29.2795

Trichromacy



Original Color

20.1680, 22.8084, 23.7616

Protanomaly

21.1353, 22.7020, 23.3466

Deuteranomaly

21.9368, 22.7011, 23.9944

Tritanomaly

20.9977, 22.9501, 27.3679

Monochromacy



Original Color

20.1680, 22.8084, 23.7616

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5362, 22.1776, 23.9672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1680, 22.8084, 23.7616 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, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(119, 135, 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(119, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 135, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.1680, 22.8084, 23.7616 is called "border". The border property can be set on classes, ids or directly on the HTML element.

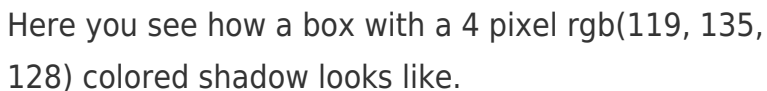
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 135, 128) }
```


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

```
.border{ border-color:rgb(119, 135, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 135, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 135, 128); box-shadow:4px 4px 4px 4px rgb(119, 135, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1680, 22.8084, 23.7616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 135, 128) }
```

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

```
.background{ background-color: rgb(119,  
135, 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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