

Converting Colors

XYZ(20.4553, 19.8607, 24.9888)

Have a look what the booklet for
XYZ(20.4553, 19.8607, 24.9888)
contains.

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Color

**XYZ(20.5033, 19.8737,
24.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	857785
RGB	133, 119, 133
RGB Percent	52%, 47%, 52%
CMY	0.4784, 0.5333, 0.4784
CMYK	0.00, 0.11, 0.00, 0.48
HSL	300°, 6%, 49%
HSV	300°, 11%, 52%
XYZ	20.5033, 19.8737, 24.9457
YIQ	124.7820, 3.8500, 7.3220

Conversions

Conversions Part 2

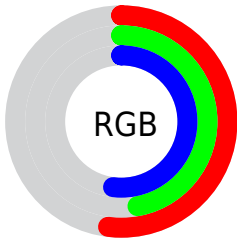
Format	Color
R_{YB}	133, 119, 133
Decimal	8746885
CIE _{Lab}	51.69, 8.08, -5.67
CIE _{LCh}	52, 9.872, 324.977
Yxy	19.8737, 0.3139, 0.3042
Android (android.graphics.Color)	4286936965 (0xFF857785)
YUV	124.7820, 4.0515, 7.2072
Hunter-Lab	44.5799, 4.0812, -1.9711

Details

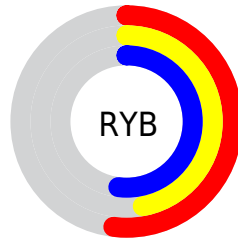
The XYZ color **20.5033, 19.8737, 24.9457** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3259, 22.0295, 20.6874**, and the grayscale version is **19.4061, 20.4168, 22.2339**.

A 20% lighter version of the original color is **43.6755, 43.1101, 52.4735**, and **7.4208, 6.9856, 9.3447** is the 20% darker color. If you saturate the color by 10%, you get **19.0301, 16.9271, 24.4549**, and if you desaturate by 10%, it is **22.1992, 23.2651, 25.5112**.

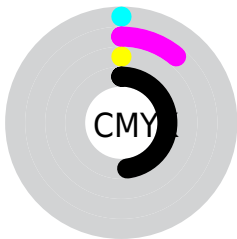
Distribution



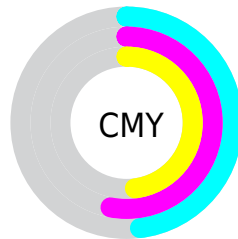
- Red (52%)
- Green (47%)
- Blue (52%)



- Red (52%)
- Yellow (47%)
- Blue (52%)



- Cyan (0%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)



- Cyan (48%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5033, 19.8737, 24.9457 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 20.5033, 19.8737, 24.9457 by changing the saturation by 10% instead.

■ 20.5033, 19.8737,
24.9457

■ 20.5033, 19.8737,
24.9457

247.4089,
251.2306, 291.0064

■ 12.8718, 12.3033,
15.8180

■ 43.7569, 43.2053,
52.5321

■ 7.4167, 6.9506,
9.2425

■ 60.1098, 59.7353,
71.8279

■ 3.7727, 3.4312,
4.8007

■ 80.1005, 80.0206,
95.3501

■ 1.5744, 1.3608,
2.0741

104.0944,
104.4456, 123.5173

■ 0.3756, 0.1875,
0.6003

132.4568,
133.3947, 156.7480

■ 0.0000, 0.0000,
0.0000

165.5531,

167.2523, 195.4607

203.7487,
206.4028, 240.0740

■ 20.5033, 19.8737,
24.9457

■ 20.5033, 19.8737,
24.9457

■ 19.0301, 16.9271,
24.4549

■ 22.1992, 23.2651,
25.5112

■ 17.7687, 14.4044,
24.0344

■ 24.1247, 27.1159,
26.1530

■ 16.7099, 12.2868,
23.6815

■ 26.2885, 31.4434,
26.8743

■ 15.8431, 10.5534,
23.3926

■ 28.6983, 36.2629,
27.6775

■ 15.1568, 9.1810,
23.1639

■ 31.3616, 41.5894,
28.5653

■ 14.6384, 8.1442,
22.9911

■ 34.2855, 47.4370,
29.5399

■ 14.2734, 7.4143,
22.8694

■ 37.4767, 53.8194,
30.6036

■ 14.0449, 6.9576,
22.7933

■ 40.9419, 60.7496,
31.7586

■ 13.9060, 6.6797,
22.7470

■ 44.6873, 68.2404,
33.0071

Harmonies

Analogous

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



19.7105, 19.8737, 27.0077



20.5033, 19.8737, 24.9457



20.8643, 19.8737, 22.1234

Triad

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



20.5033, 19.8737, 24.9457



19.0577, 19.8737, 16.6173



17.2042, 19.8737, 24.0414

Complementary

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



20.5033, 19.8737, 24.9457



19.3259, 22.0295, 20.6874

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.



17.0432, 19.8737, 21.1619



20.5033, 19.8737, 24.9457



18.0913, 19.8737, 17.0337

Square

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



20.5033, 19.8737, 24.9457



20.0112, 19.8737, 17.4469



17.3624, 19.8737, 18.6384



17.8103, 19.8737, 26.4542

Rectangle

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



20.5033, 19.8737, 24.9457



20.8026, 19.8737, 20.2509



17.3624, 19.8737, 18.6384



17.0971, 19.8737, 23.0893

Sweetspot

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



20.5039, 19.8746, 24.9461



38.9429, 40.0410, 45.4146



18.4670, 18.8658, 24.8588



8.7216, 8.9171, 10.2142



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.5039, 19.8746, 24.9461



35.9474, 34.0500, 44.4161



20.0514, 19.6936, 22.5629



4.8579, 4.7628, 5.8640



13.2455, 6.3625, 21.6667



0.0459, 0.0220, 0.0751

Inverse Universe

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



19.6003, 19.5131, 20.1874



33.9404, 33.2472, 33.8466



19.7469, 22.1979, 22.9044



4.6726, 4.6887, 4.8881



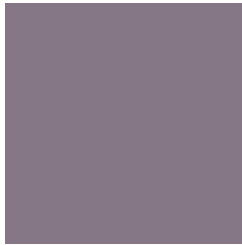
9.2136, 4.7498, 0.4313



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 20.5033, 19.8737, 24.9457 looks on a white background.

Color Contrast Check

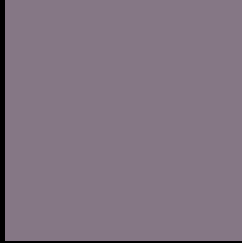
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5033, 19.8737, 24.9457 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 20.5033, 19.8737, 24.9457

Background



This preview shows how black text looks on a background with the XYZ color 20.5033, 19.8737, 24.9457.



This preview shows how white text looks on a background with the XYZ color 20.5033, 19.8737,

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

20.5033, 19.8737, 24.9457

Protanopia

19.3587, 19.8059, 25.7243

Deuteranopia

20.3102, 19.9517, 24.9709



Tritanopia

20.1946, 19.9235, 23.5501

Trichromacy



Original Color

20.5033, 19.8737, 24.9457

Protanomaly

19.7446, 19.8316, 25.3415

Deuteranomaly

20.4658, 20.0319, 24.9782

Tritanomaly

20.2615, 19.9502, 23.9020

Monochromacy



Original Color

20.5033, 19.8737, 24.9457

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8813, 20.3136, 23.2951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5033, 19.8737, 24.9457 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(133, 119, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 119, 133)  
}
```

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(133, 119, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 119, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.5033, 19.8737, 24.9457 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(133, 119, 133) }
```


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

```
.border{ border-color:rgb(133, 119, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 119, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 119, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 119, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 119,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5033, 19.8737, 24.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 119, 133) }
```

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

```
.background{ background-color: rgb(133,  
119, 133) }
```

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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