

Converting Colors

XYZ(20.8586, 21.5969, 24.8533)

Have a look what the booklet for
XYZ(20.8586, 21.5969, 24.8533)
contains.

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Color

**XYZ(20.8075, 21.5118,
24.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	817F84
RGB	129, 127, 132
RGB Percent	51%, 50%, 52%
CMY	0.4941, 0.5019, 0.4823
CMYK	0.02, 0.04, 0.00, 0.48
HSL	264°, 2%, 51%
HSV	264°, 4%, 52%
XYZ	20.8075, 21.5118, 24.8853
YIQ	128.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

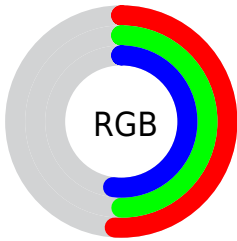
Format	Color
RYB	129, 127, 132
Decimal	8486788
CIELab	53.51, 1.75, -2.44
CIELCh	54, 3.008, 305.661
Yxy	21.5118, 0.3096, 0.3201
Android (android.graphics.Color)	4286676868 (0xFF817F84)
YUV	128.1680, 1.8892, 0.7297
Hunter-Lab	46.3808, -1.0872, 0.6549

Details

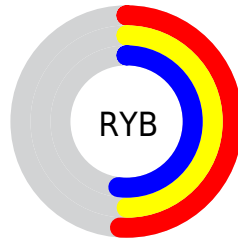
The XYZ color **20.8075, 21.5118, 24.8853** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.2887, 22.7812, 23.3549**, and the grayscale version is **20.5704, 21.6416, 23.5677**.

A 20% lighter version of the original color is **44.3696, 46.0904, 52.4567**, and **7.5940, 7.7788, 9.2848** is the 20% darker color. If you saturate the color by 10%, you get **18.0562, 17.7268, 24.3001**, and if you desaturate by 10%, it is **23.8768, 25.7935, 25.5503**.

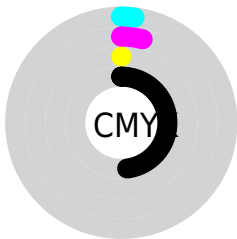
Distribution



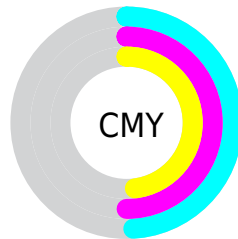
- Red (51%)
- Green (50%)
- Blue (52%)



- Red (51%)
- Yellow (50%)
- Blue (52%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (48%)



- Cyan (49%)
- Magenta (50%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8075, 21.5118, 24.8853 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 20.8075, 21.5118, 24.8853 by changing the saturation by 10% instead.

■ 20.8075, 21.5118,
24.8853

■ 20.8075, 21.5118,
24.8853

249.0048,
259.9861, 290.6956

■ 13.0950, 13.4986,
15.7734

■ 44.2606, 45.9378,
52.4329

■ 7.5715, 7.7728,
9.2113

■ 60.7320, 63.1194,
71.7057

■ 3.8715, 3.9499,
4.7806

■ 80.8537, 84.1259,
95.2024

■ 1.6297, 1.6456,
2.0626

104.9911,
109.3417, 123.3418

■ 0.4116, 0.3880,
0.5934

133.5096,
139.1512, 156.5422

■ 0.0000, 0.0000,
0.0000

166.7744,

173.9389, 195.2223

205.1511,
214.0890, 239.8006

■ 20.8075, 21.5118,
24.8853

■ 20.8075, 21.5118,
24.8853

■ 18.0562, 17.7268,
24.3001

■ 23.8768, 25.7935,
25.5503

■ 15.6102, 14.4174,
23.7902

■ 27.2724, 30.5865,
26.2965

■ 13.4589, 11.5651,
23.3530

■ 31.0045, 35.9082,
27.1270

■ 11.5901, 9.1491,
22.9852

■ 35.0826, 41.7743,
28.0443

■ 9.9908, 7.1468,
22.6830

■ 39.5155, 48.2000,
29.0509

■ 8.6470, 5.5337,
22.4425

■ 44.3117, 55.1997,
30.1492

■ 7.5431, 4.2825,
22.2591

■ 49.4797, 62.7873,
31.3414

■ 6.6617, 3.3622,
22.1280

■ 55.0274, 70.9764,
32.6297

■ 5.9812, 2.7345,
22.0427

■ 60.9625, 79.7799,
34.0161

Harmonies

Analogous

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



20.5071, 21.5118, 25.2223



20.8075, 21.5118, 24.8853



21.0126, 21.5118, 24.1572

Triad

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



20.8075, 21.5118, 24.8853



20.7012, 21.5118, 21.8520



19.8395, 21.5118, 23.5971

Complementary

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



20.8075, 21.5118, 24.8853



21.2887, 22.7812, 23.3549

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.



19.8903, 21.5118, 22.7032



20.8075, 21.5118, 24.8853



20.3856, 21.5118, 21.7108

Square

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



20.8075, 21.5118, 24.8853



20.9508, 21.5118, 22.4093



20.0893, 21.5118, 22.0185



19.9500, 21.5118, 24.4662

Rectangle

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



20.8075, 21.5118, 24.8853



21.0666, 21.5118, 23.5564



20.0893, 21.5118, 22.0185



19.8383, 21.5118, 23.2895

Sweetspot

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



20.8081, 21.5127, 24.8858



38.0904, 39.8897, 44.1451



20.9117, 22.1661, 25.0064



8.8768, 9.2991, 10.2797



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.



20.8081, 21.5127, 24.8858



35.9788, 36.9607, 43.6910



21.1796, 21.7042, 24.9032



4.8411, 4.9643, 5.9038



5.4484, 2.3429, 21.3018



0.0267, 0.0122, 0.0742

Inverse Universe

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



21.1351, 21.6969, 24.1941



36.7518, 37.3964, 42.0515



20.9223, 22.5923, 23.3378



4.9530, 5.0274, 5.6664



10.5908, 5.3007, 7.6835



0.0403, 0.0198, 0.0457

Previews

White Background



This preview shows how the XYZ color 20.8075, 21.5118, 24.8853 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 20.8075, 21.5118, 24.8853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

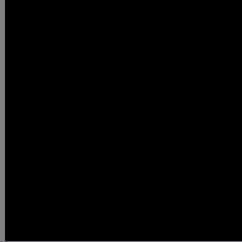
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

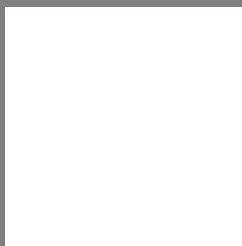
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8075, 21.5118, 24.8853

Background



This preview shows how black text looks on a background with the XYZ color 20.8075, 21.5118, 24.8853.



This preview shows how white text looks on a background with the XYZ color 20.8075, 21.5118,

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

20.8075, 21.5118, 24.8853

Protanopia

20.8075, 21.5118, 24.8853

Deuteranopia

21.9225, 21.5120, 25.1871



Tritanopia

21.1107, 21.4451, 26.3192

Trichromacy



Original Color

20.8075, 21.5118, 24.8853

Protanomaly

20.8075, 21.5118, 24.8853

Deuteranomaly

21.5589, 21.5116, 25.2062

Tritanomaly

21.0399, 21.4168, 25.9466

Monochromacy



Original Color

20.8075, 21.5118, 24.8853

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5837, 21.6125, 23.8556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8075, 21.5118, 24.8853 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(129, 127, 132)` looks like.

```
.text, #text, p{  
    color:rgb(129, 127, 132)  
}
```

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(129, 127, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 127, 132) }
```

Border

The CSS property to change the border of an element to XYZ 20.8075, 21.5118, 24.8853 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(129, 127, 132) }
```


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

```
.border{ border-color:rgb(129, 127, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 127, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 127, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 127, 132);  
box-shadow:4px 4px 4px 4px rgb(129, 127,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8075, 21.5118, 24.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 127, 132) }
```

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

```
.background{ background-color: rgb(129,  
127, 132) }
```

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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