

Converting Colors

XYZ(20.2386, 22.7431, 24.8331)

Have a look what the booklet for
XYZ(20.2386, 22.7431, 24.8331)
contains.

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Color

**XYZ(20.2319, 22.8182,
24.8107)**

Conversions

Conversions Part 1

Format	Color
Hex	768783
RGB	118, 135, 131
RGB Percent	46%, 53%, 51%
CMY	0.5373, 0.4706, 0.4863
CMYK	0.13, 0.00, 0.03, 0.47
HSL	166°, 7%, 50%
HSV	166°, 13%, 53%
XYZ	20.2319, 22.8182, 24.8107
YIQ	129.4610, -8.8480, -4.8480

Conversions

Conversions Part 2

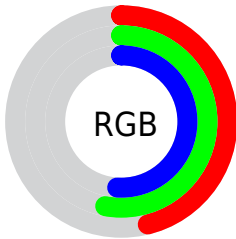
Format	Color
R_{YB}	118, 128, 135
Decimal	7767939
CIE _{Lab}	54.88, -7.00, 0.06
CIE _{LCh}	55, 6.997, 179.537
Yxy	22.8182, 0.2981, 0.3363
Android (android.graphics.Color)	4285958019 (0xFF768783)
YUV	129.4610, 0.7587, -10.0513
Hunter-Lab	47.7684, -7.9925, 2.6429

Details

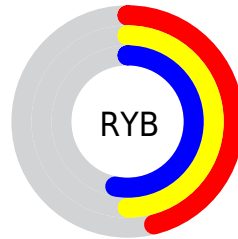
The XYZ color **20.2319, 22.8182, 24.8107** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.9838, 19.5135, 21.1266**, and the grayscale version is **21.0282, 22.1233, 24.0923**.

A 20% lighter version of the original color is **43.2125, 47.9732, 52.3296**, and **7.2973, 8.4083, 9.2210** is the 20% darker color. If you saturate the color by 10%, you get **18.3163, 21.8558, 23.6142**, and if you desaturate by 10%, it is **22.4179, 23.9205, 26.0553**.

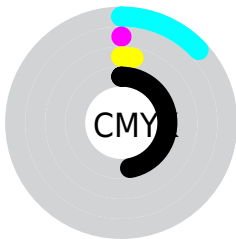
Distribution



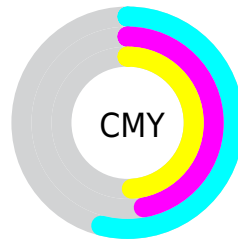
- Red (46%)
- Green (53%)
- Blue (51%)



- Red (46%)
- Yellow (50%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (47%)



- Cyan (54%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2319, 22.8182, 24.8107 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 20.2319, 22.8182, 24.8107 by changing the saturation by 10% instead.

■ 20.2319, 22.8182,
24.8107

■ 20.2319, 22.8182,
24.8107

245.9775,
266.7899, 290.3113

■ 12.6730, 14.4593,
15.7183

■ 43.3066, 48.0946,
52.3103

■ 7.2792, 8.4408,
9.1729

■ 59.5531, 65.7810,
71.5545

■ 3.6852, 4.3783,
4.7558

■ 79.4262, 87.3453,
95.0199

■ 1.5256, 1.8873,
2.0485

103.2912,
113.1719, 123.1248

■ 0.3432, 0.5408,
0.5848

131.5134,
143.6453, 156.2879

■ 0.0000, 0.0000,
0.0000

164.4584,

179.1498, 194.9276

202.4912,
220.0699, 239.4626

■ 20.2319, 22.8182,
24.8107

■ 20.2319, 22.8182,
24.8107

■ 18.3163, 21.8558,
23.6142

■ 22.4179, 23.9205,
26.0553

■ 16.6579, 21.0246,
22.4635

■ 24.8827, 25.1651,
27.3472

■ 15.2454, 20.3194,
21.3582

■ 27.6371, 26.5582,
28.6878

■ 14.0660, 19.7337,
20.2974

■ 30.6903, 28.1046,
30.0777

■ 13.1055, 19.2601,
19.2801

■ 34.0513, 29.8089,
31.5177

■ 12.3482, 18.8905,
18.3052

■ 37.7289, 31.6755,
33.0086

■ 11.7765, 18.6158,
17.3716

■ 41.7312, 33.7088,
34.5508

■ 11.3692, 18.4252,
16.4779

■ 46.0663, 35.9128,
36.1451

■ 11.1238, 18.3126,
15.8393

■ 50.7418, 38.2915,
37.7922

Harmonies

Analogous

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



20.4289, 22.8182, 22.7439



20.2319, 22.8182, 24.8107



20.4173, 22.8182, 27.0088

Triad

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



20.2319, 22.8182, 24.8107



22.4309, 22.8182, 28.7459



22.4522, 22.8182, 21.3454

Complementary

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



20.2319, 22.8182, 24.8107



19.9838, 19.5135, 21.1266

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.



23.0104, 22.8182, 22.8002



20.2319, 22.8182, 24.8107



22.9979, 22.8182, 27.0720

Square

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



20.2319, 22.8182, 24.8107



21.6760, 22.8182, 29.3613



23.2124, 22.8182, 24.8796



21.7000, 22.8182, 20.8176

Rectangle

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



20.2319, 22.8182, 24.8107



20.7354, 22.8182, 28.2353



23.2124, 22.8182, 24.8796



22.6694, 22.8182, 21.7378

Sweetspot

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



20.2325, 22.8192, 24.8112



39.5275, 42.5238, 46.3191



19.9962, 22.7928, 20.4854



9.0900, 9.8157, 10.6914



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.



20.2325, 22.8192, 24.8112



35.2428, 40.3655, 43.8339



19.9278, 21.7672, 26.0740



4.7560, 5.2606, 5.7263



10.2623, 16.8878, 14.6329



0.0384, 0.0596, 0.0655

Inverse Universe

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



19.9838, 19.5135, 21.1266



34.7104, 33.2885, 35.9465



20.2527, 20.4401, 20.0177



4.7142, 4.7054, 5.1073



9.4559, 4.8467, 1.7069



0.0352, 0.0178, 0.0188

Previews

White Background



This preview shows how the XYZ color 20.2319, 22.8182, 24.8107 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 20.2319, 22.8182, 24.8107 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

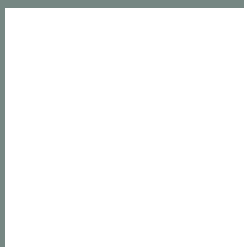
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2319, 22.8182, 24.8107

Background



This preview shows how black text looks on a background with the XYZ color 20.2319, 22.8182, 24.8107.



This preview shows how white text looks on a background with the XYZ color 20.2319, 22.8182,

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

20.2319, 22.8182, 24.8107

Protanopia

21.8441, 22.8594, 23.6831

Deuteranopia

23.1507, 22.7118, 25.3540



Tritanopia

21.1673, 22.7817, 29.6672

Trichromacy



Original Color

20.2319, 22.8182, 24.8107

Protanomaly

21.1158, 22.6767, 24.0330

Deuteranomaly

21.9790, 22.6995, 25.0528

Tritanomaly

20.7930, 22.8362, 27.7380

Monochromacy



Original Color

20.2319, 22.8182, 24.8107

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6030, 22.2043, 24.3191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2319, 22.8182, 24.8107 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(118, 135, 131)` looks like.

```
.text, #text, p{  
    color:rgb(118, 135, 131)  
}
```

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(118, 135, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 135, 131) }
```

Border

The CSS property to change the border of an element to XYZ 20.2319, 22.8182, 24.8107 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(118, 135, 131) }
```


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

```
.border{ border-color:rgb(118, 135, 131) }
```

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

Here you see how a box with a 4 pixel rgb(118, 135, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 135, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 135, 131);  
box-shadow:4px 4px 4px 4px rgb(118, 135,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2319, 22.8182, 24.8107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 135, 131) }
```

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

```
.background{ background-color: rgb(118,  
135, 131) }
```

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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