

Converting Colors

XYZ(20.4724, 22.6236, 24.5709)

Have a look what the booklet for
XYZ(20.4724, 22.6236, 24.5709)
contains.

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Color

**XYZ(20.4428, 22.5243,
24.3893)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8582
RGB	122, 133, 130
RGB Percent	48%, 52%, 51%
CMY	0.5216, 0.4784, 0.4902
CMYK	0.08, 0.00, 0.02, 0.48
HSL	164°, 4%, 50%
HSV	164°, 8%, 52%
XYZ	20.4428, 22.5243, 24.3893
YIQ	129.3690, -5.5930, -3.2650

Conversions

Conversions Part 2

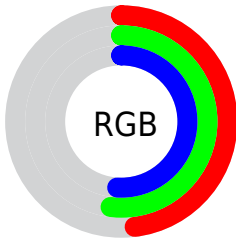
Format	Color
R_{YB}	122, 128, 133
Decimal	8029570
CIE Lab	54.58, -4.65, 0.23
CIE LCh	55, 4.651, 177.226
Yxy	22.5243, 0.3035, 0.3344
Android (android.graphics.Color)	4286219650 (0xFF7A8582)
YUV	129.3690, 0.3111, -6.4626
Hunter-Lab	47.4598, -6.1676, 2.7531

Details

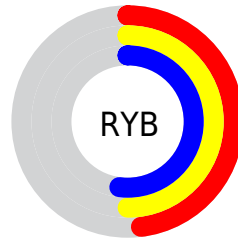
The XYZ color **20.4428, 22.5243, 24.3893** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3348, 20.3868, 22.2663**, and the grayscale version is **20.9965, 22.0900, 24.0560**.

A 20% lighter version of the original color is **43.5617, 47.5354, 51.6790**, and **7.4032, 8.3512, 9.0063** is the 20% darker color. If you saturate the color by 10%, you get **18.4478, 21.5241, 23.0471**, and if you desaturate by 10%, it is **22.7055, 23.6627, 25.7899**.

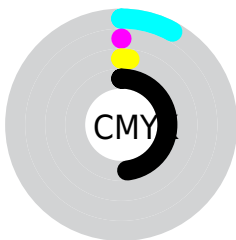
Distribution



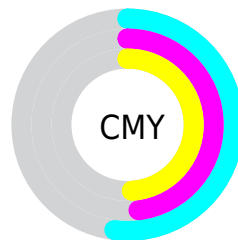
- Red (48%)
- Green (52%)
- Blue (51%)



- Red (48%)
- Yellow (50%)
- Blue (52%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4428, 22.5243, 24.3893 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 20.4428, 22.5243, 24.3893 by changing the saturation by 10% instead.

■ 20.4428, 22.5243,
24.3893

■ 20.4428, 22.5243,
24.3893

247.0904,
265.2722, 288.1325

■ 12.8275, 14.2427,
15.4078

■ 43.6566, 47.6110,
51.6165

■ 7.3860, 8.2896,
8.9563

■ 59.9858, 65.1849,
70.6993

■ 3.7531, 4.2808,
4.6163

■ 79.9504, 86.6250,
93.9862

■ 1.5634, 1.8319,
1.9692

103.9156,
112.3157, 121.8959

■ 0.3684, 0.5069,
0.5362

132.2468,
142.6413, 154.8468

■ 0.0000, 0.0000,
0.0000

165.3095,

177.9864, 193.2575

203.4689,
218.7352, 237.5466

■ 20.4428, 22.5243,
24.3893

■ 20.4428, 22.5243,
24.3893

■ 18.4478, 21.5241,
23.0471

■ 22.7055, 23.6627,
25.7899

■ 16.7080, 20.6539,
21.7607

■ 25.2437, 24.9416,
27.2482

■ 15.2130, 19.9089,
20.5297

■ 28.0677, 26.3667,
28.7656

■ 13.9505, 19.2828,
19.3531

■ 31.1862, 27.9427,
30.3430

■ 12.9076, 18.7689,
18.2297

■ 34.6078, 29.6739,
31.9812

■ 12.0698, 18.3599,
17.1585

■ 38.3408, 31.5646,
33.6810

■ 11.4210, 18.0473,
16.1381

■ 42.3929, 33.6187,
35.4432

■ 10.9423, 17.8215,
15.1672

■ 46.7718, 35.8402,
37.2686

■ 10.5903, 17.6601,
14.2432

■ 51.4848, 38.2330,
39.1579

Harmonies

Analogous

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



20.5936, 22.5243, 23.0341



20.4428, 22.5243, 24.3893



20.5474, 22.5243, 25.8343

Triad

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



20.4428, 22.5243, 24.3893



21.8611, 22.5243, 27.1117



21.9446, 22.5243, 22.2358

Complementary

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



20.4428, 22.5243, 24.3893



20.3348, 20.3868, 22.2663

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.



22.2937, 22.5243, 23.2609



20.4428, 22.5243, 24.3893



22.2449, 22.5243, 26.0791

Square

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



20.4428, 22.5243, 24.3893



21.3612, 22.5243, 27.4426



22.4045, 22.5243, 24.6615



21.4562, 22.5243, 21.8221

Rectangle

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



20.4428, 22.5243, 24.3893



20.7487, 22.5243, 26.6478



22.4045, 22.5243, 24.6615



22.0824, 22.5243, 22.5183

Sweetspot

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



20.4434, 22.5253, 24.3898



39.0733, 41.5753, 45.2240



20.3756, 22.5499, 21.6913



8.8161, 9.3732, 10.1966



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.



20.4434, 22.5253, 24.3898



35.8727, 39.9668, 43.1970



20.3253, 21.9617, 25.3592



4.7488, 5.2578, 5.6886



10.0352, 16.7969, 13.4365



0.0378, 0.0594, 0.0627

Inverse Universe

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



20.3348, 20.3868, 22.2663



35.6353, 35.2928, 38.5558



20.4422, 20.9039, 21.3701



4.7209, 4.7081, 5.1428



9.5242, 4.8740, 2.0668



0.0357, 0.0180, 0.0216

Previews

White Background



This preview shows how the XYZ color 20.4428, 22.5243, 24.3893 looks on a white background.

Color Contrast Check

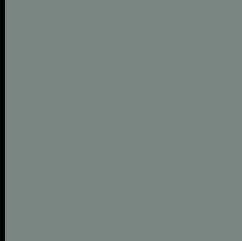
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4428, 22.5243, 24.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

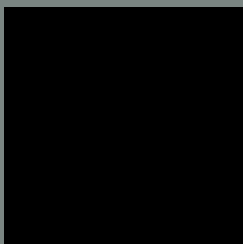
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

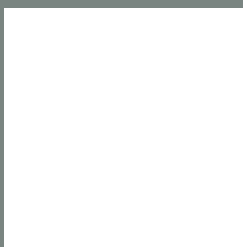
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4428, 22.5243, 24.3893

Background



This preview shows how black text looks on a background with the XYZ color 20.4428, 22.5243, 24.3893.



This preview shows how white text looks on a background with the XYZ color 20.4428, 22.5243,

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

20.4428, 22.5243, 24.3893

Protanopia

21.5518, 22.5103, 23.6311

Deuteranopia

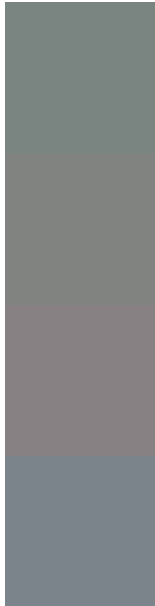
22.7129, 22.3112, 24.5821



Tritanopia

21.3110, 22.4707, 28.8053

Trichromacy



Original Color

20.4428, 22.5243, 24.3893

Protanomaly

21.1320, 22.4847, 23.9951

Deuteranomaly

21.9387, 22.4901, 24.6575

Tritanomaly

21.0071, 22.5485, 27.2899

Monochromacy



Original Color

20.4428, 22.5243, 24.3893

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5493, 21.9859, 23.9295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4428, 22.5243, 24.3893 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(122, 133, 130)` looks like.

```
.text, #text, p{  
    color:rgb(122, 133, 130)  
}
```

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(122, 133, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 133, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.4428, 22.5243, 24.3893 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(122, 133, 130) }
```


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

```
.border{ border-color:rgb(122, 133, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 133, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 133, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 133, 130);  
box-shadow:4px 4px 4px 4px rgb(122, 133,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4428, 22.5243, 24.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 133, 130) }
```

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

```
.background{ background-color: rgb(122,  
133, 130) }
```

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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