

Converting Colors

XYZ(21.2430, 23.8703, 27.8581)

Have a look what the booklet for
XYZ(21.2430, 23.8703, 27.8581)
contains.

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Color

**XYZ(21.2199, 23.8926,
27.9194)**

Conversions

Conversions Part 1

Format	Color
Hex	768A8B
RGB	118, 138, 139
RGB Percent	46%, 54%, 55%
CMY	0.5372, 0.4588, 0.4549
CMYK	0.15, 0.01, 0.00, 0.45
HSL	183°, 8%, 50%
HSV	183°, 15%, 55%
XYZ	21.2199, 23.8926, 27.9194
YIQ	132.1340, -12.2410, -3.9290

Conversions

Conversions Part 2

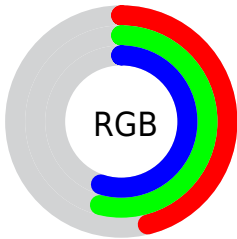
Format	Color
R_{YB}	118, 128, 139
Decimal	7768715
CIE Lab	55.98, -6.94, -2.96
CIE LCh	56, 7.540, 203.091
Yxy	23.8926, 0.2906, 0.3272
Android (android.graphics.Color)	4285958795 (0xFF768A8B)
YUV	132.1340, 3.3849, -12.3955
Hunter-Lab	48.8801, -8.0494, 0.3507

Details

The XYZ color **21.2199, 23.8926, 27.9194** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.5145, 19.9906, 19.9173**, and the grayscale version is **21.9724, 23.1166, 25.1740**.

A 20% lighter version of the original color is **44.7228, 49.6134, 57.0884**, and **7.7471, 8.9659, 10.7735** is the 20% darker color. If you saturate the color by 10%, you get **19.3754, 22.8021, 27.8065**, and if you desaturate by 10%, it is **23.3446, 25.1297, 28.0466**.

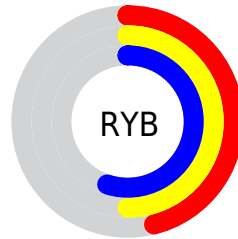
Distribution



Red (46%)

Green (54%)

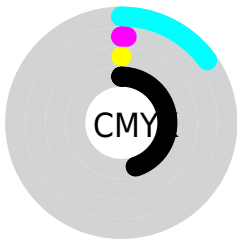
Blue (55%)



Red (46%)

Yellow (50%)

Blue (55%)

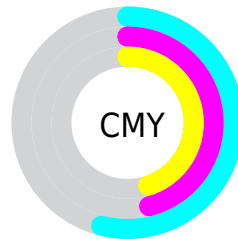


Cyan (15%)

Magenta (1%)

Yellow (0%)

Black (45%)



Cyan (54%)

Magenta (46%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2199, 23.8926, 27.9194 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 21.2199, 23.8926, 27.9194 by changing the saturation by 10% instead.

■ 21.2199, 23.8926,
27.9194

■ 21.2199, 23.8926,
27.9194

251.1545,
272.2771, 305.9814

■ 13.3982, 15.2540,
18.0264

■ 44.9417, 49.8549,
57.3773

■ 7.7822, 8.9978,
10.7993

■ 61.5726, 67.9473,
77.7793

■ 4.0065, 4.7398,
5.8196

■ 81.8706, 89.9598,
102.5213

■ 1.7058, 2.0954,
2.6687

106.2010,
116.2768, 132.0219

■ 0.4599, 0.6620,
0.9276

134.9293,
147.2826, 166.6997

■ 0.0000, 0.0000,
0.0000

168.4207,

183.3616, 206.9732

207.0407,
224.8983, 253.2609

■ 21.2199, 23.8926,
27.9194

■ 21.2199, 23.8926,
27.9194

■ 19.3754, 22.8021,
27.8065

■ 23.3446, 25.1297,
28.0466

■ 17.7968, 21.8489,
27.7057

■ 25.7587, 26.5162,
28.1870

■ 16.4719, 21.0273,
27.6170

■ 28.4737, 28.0587,
28.3416

■ 15.3865, 20.3301,
27.5396

■ 31.4999, 29.7624,
28.5109

■ 14.5252, 19.7492,
27.4729

■ 34.8468, 31.6323,
28.6955

■ 13.8706, 19.2757,
27.4160

■ 38.5238, 33.6733,
28.8956

■ 13.4028, 18.8994,
27.3680

■ 42.5399, 35.8900,
29.1118

■ 13.0945, 18.6062,
27.3277

■ 46.9036, 38.2867,
29.3444

■ 12.9653, 18.4742,
27.3090

■ 51.6231, 40.8677,
29.5939

Harmonies

Analogous

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



21.1048, 23.8926, 25.4487



21.2199, 23.8926, 27.9194



21.7293, 23.8926, 29.9938

Triad

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



21.2199, 23.8926, 27.9194



24.0590, 23.8926, 28.9679



22.9090, 23.8926, 21.5857

Complementary

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



21.2199, 23.8926, 27.9194



20.5145, 19.9906, 19.9173

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.



23.7181, 23.8926, 22.4046



21.2199, 23.8926, 27.9194



24.3929, 23.8926, 26.5896

Square

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



21.2199, 23.8926, 27.9194



23.3648, 23.8926, 30.6254



24.2666, 23.8926, 24.1992



22.0660, 23.8926, 21.8922

Rectangle

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



21.2199, 23.8926, 27.9194



22.2310, 23.8926, 30.8208



24.2666, 23.8926, 24.1992



23.1942, 23.8926, 21.7367

Sweetspot

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



21.2206, 23.8936, 27.9199



41.8050, 45.0020, 50.2259



20.0160, 23.6419, 20.8673



9.5750, 10.3361, 11.5698



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.2206, 23.8936, 27.9199



36.8627, 42.1188, 49.9298



19.8249, 21.1023, 27.4547



5.1528, 5.6486, 6.4245



11.7052, 16.6807, 24.6485



0.0807, 0.1166, 0.1647

Inverse Universe

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



21.7139, 20.2813, 26.8162



37.9176, 34.4295, 47.5613



21.7945, 22.5507, 20.3440



5.2238, 5.1249, 6.2668



13.3950, 6.4681, 20.3824



0.0905, 0.0436, 0.1431

Previews

White Background



This preview shows how the XYZ color 21.2199, 23.8926, 27.9194 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 21.2199, 23.8926, 27.9194 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

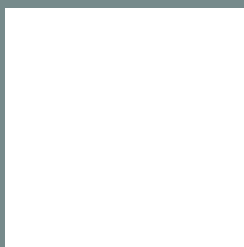
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2199, 23.8926, 27.9194

Background



This preview shows how black text looks on a background with the XYZ color 21.2199, 23.8926, 27.9194.



This preview shows how white text looks on a background with the XYZ color 21.2199, 23.8926,

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

21.2199, 23.8926, 27.9194

Protanopia

22.9848, 23.7869, 26.6724

Deuteranopia

24.2919, 23.8176, 28.5162



Tritanopia

22.0367, 24.0225, 31.4923

Trichromacy



Original Color

21.2199, 23.8926, 27.9194

Protanomaly

22.2326, 23.8012, 27.0892

Deuteranomaly

23.1128, 23.8194, 28.1904

Tritanomaly

21.6642, 23.8576, 30.2512

Monochromacy



Original Color

21.2199, 23.8926, 27.9194

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6507, 23.3115, 26.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2199, 23.8926, 27.9194 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, 138, 139)` looks like.

```
.text, #text, p{  
    color:rgb(118, 138, 139)  
}
```

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, 138, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 138, 139) }
```

Border

The CSS property to change the border of an element to XYZ 21.2199, 23.8926, 27.9194 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, 138, 139) }
```


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

```
.border{ border-color:rgb(118, 138, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 138, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 138, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 138, 139);  
box-shadow:4px 4px 4px 4px rgb(118, 138,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2199, 23.8926, 27.9194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 138, 139) }
```

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

```
.background{ background-color: rgb(118,  
138, 139) }
```

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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